

Teaching Plan : JANUARY 2021 - APRIL 2021
FY BBI - SEM II - FOUNDATION COURSE - II
(Reference Book : by P.G. Shinde / Mahesh Bhagwat / Dr. Namita Nimbhalkar / Meghna Shinde - Chakne - Sheth Publications)

Sl No.	Topic	Planned Completion Date
1	Concepts of Liberalization, Privatization and Globalization	10.01.21
2	Information Technology, Migration, Changes in Agrarian Sector	15.01.21
3	Corporate Farming and Farmers' Problems	20.01.21
4	Concept and Evolution of Human Rights	01.02.21
5	Fundamental Rights under the Indian Constitution	10.02.21
6	Importance of Environment Studies in Current Environment	20.02.21
7	Ecology and Environmental Degradation	01.03.21
8	Sustainable Development	10.03.21
9	Understanding Stress and Conflict	20.03.21
10	Socialization and Public Expression of Conflict	01.04.21
11	Dfferent Methods of Responding to Conflicts in Society	10.04.21
12	Conflict Resolution and Efforts towards Building Peace and Harmony in Society	20.04.21

From : S Sridharan

Teaching Plan : JANUARY 2021 - APRIL 2021
SY BBI - SEM IV - CUSTOMER RELATIONSHIP MANAGEMENT
(Reference Book - by Bhavana Chauhan - Lad - Sheth Publications)

Sl No.	Topic	Planned Completion Date
1	Introduction to CRM	08.01.21
2	Relationship marketing	18.01.21
3	Technological support to CRM	28.01.21
4	e-CRM	10.02.21
5	Contact Management, Customer Satisfaction Survey	18.02.21
6	Building & organizing CRM	28.02.21
7	Employee and customer management process	08.03.21
8	Building customer loyalty	18.03.21
9	B2B Relationship	25.03.21
10	CRM in Indian Banking Sector	02.04.21
11	CRM in Indian Insurance Sector	10.04.21
12	CRM through Call Centres in Banks	20.04.21

From : S Sridharan

Teaching Plan : AUGUST - DECEMBER 2020
FY BFM - SEM I - FOUNDATION COURSE

<i>Sl No.</i>	<i>Topic</i>	<i>Planned Completion Date</i>
Unit I	Overview of Indian Society	
1	Multi cultural diversity of Indian society through its demographic composition.	09.08.20
2	Population distributions according to religion, caste and gender.	19.08.20
3	Appreciate the concept of linguistic diversity in relation to the Indian situation.	27.08.20
4	Understand regional variations according to rural, urban and tribal characteristics.	04.09.20
5	Understanding the concept of diversity as difference.	11.09.20
Unit II	Concept of Disparity - I	
6	Understand the concept of disparity as arising out of stratification and inequality.	17.09.20
7	Explore the disparities arising out of gender with special reference to violence against women.	22.09.20
8	Female foeticide (declining sex ratio).	27.09.20
9	Portrayal of women in media.	02.10.20
10	Inequalities faced by people with disabilities.	08.10.20
11	Issues of people with physical and mental disabilities.	11.10.20
Unit III	Concept of Disparity - II	
12	Inequalities manifested due to the caste system.	16.10.20
13	inter-group conflicts arising from caste system.	20.10.20
14	Understand inter-group conflicts arising out of communalism.	24.10.20
15	Causes and effects of conflicts arising out of regionalism and linguistic differences.	30.10.20

Unit IV	The Indian Constitution	
16	Philosophy of the Constitution as set out in the Preamble.	04.11.20
17	The structure of the Constitution - the Preamble, Main Body and Schedules.	11.11.20
18	Fundamental Duties of the Indian Citizen.	17.11.20
19	tolerance, peace and communal harmony.	23.11.20
20	Basic features of the Constitution.	30.11.20
Unit V	Significant Aspects of Political Processes	
21	The party system in Indian politics;	05.12.20
22	Local self-government in urban and rural areas;	11.12.20
23	The 73rd and 74th Amendments and their implications for inclusive politics;	17.12.20
24	Role and significance of women in politics.	22.12.20
<i>From : S Sridharan</i>		

Teaching Plan - JANUARY 2021 - APRIL 2021
SY BBI - SEM IV - ENTREPRENEURSHIP MANAGEMENT
(Reference Book : by Archana Prabhudesai - Vipul Prakashan)

Sl No.	Topic	Planned Completion Date
1	The Entrepreneur	03.01.21
2	Entrepreneurship and Entrepreneurship Management	06.01.21
3	Theories of Entrepreneurship	10.01.21
4	Entrepreneurial Values and Attitudes	13.01.21
5	Forms of Entrepreneurial Structures	17.01.21
6	Creating Entrepreneurial Venture	20.01.21
7	Business Plan	24.01.21
8	Environmental Scanning	28.01.21
9	SWOT Analysis	01.02.21
10	Project Report	04.02.21
11	Marketing	07.02.21
12	Marketing Strategy for the New Venture Branding	10.02.21
13	Promotion Strategies for New Venture	13.02.21
14	Marketing Mix	15.02.21
15	Operations	19.02.21
16	Finance	23.02.21
17	Human Resource	25.02.21
18	Social Entrepreneur	27.02.21
19	Social Responsibility of Business	02.03.21
20	Barriers to Entrepreneurship	08.03.21
21	Intrapreneurship	12.03.21
22	Ethics and Entrepreneurship	15.03.21
23	Business Ethics	22.03.21
24	Institutional Support to Entrepreneurs	10.04.21
25	National Level Institutions	15.04.21
26	State Level Institutions	20.04.21

From : S Sridharan

Teaching Plan : JANUARY 2021 - APRIL 2021
SY BMS - SEM IV - PRODUCTION AND TOTAL QUALITY MANAGEMENT
(Reference Book - by Radha Iyer / Rakhee Pathak / Tushar Agarwal -
Sheth Publishers)

Sl No.	Topic	Planned Completion Date
1	An overview of Production Management	10.01.21
2	Product Planning and Development	20.01.21
3	Plant Location and Plant Layout	10.02.21
4	Purchasing Management	20.02.21
5	Overview of Materials Management	28.02.21
6	Inventory Management	10.03.21
7	Concepts of Quality and Productivity	20.03.21
8	Philosophical Framework of TQM	01.04.21
9	Product and Service Quality Dimensions	10.04.21
10	Quality Improvement Strategies and Certifications	20.04.21

From : S Sridharan

Teaching Plan - AUGUST - DECEMBER 2020
TY BMS - SEM V - LOGISTICS & SUPPLY CHAIN MGMNT
(Reference Book - by Vikram Shrotri)

<i>Sl No.</i>	<i>Topic</i>	<i>Planned Completion Date</i>
1	Introduction to logistics management	20.08.20
2	Introduction to supply chain management	20.09.20
3	Customer service	15.10.20
4	Demand forecasting	25.10.20
5	Transportation	05.11.20
6	Warehousing	15.11.20
7	Material handling	25.11.20
8	Packaging	05.12.20
9	Inventory management	10.12.20
10	Logistics costing	20.12.20

From : S Sridharan

Teaching Plan : AUGUST - DECEMBER 2020
TY BMS - SEM V - CUSTOMER RELATIONSHIP MANAGEMENT
*(Reference Book : by Dr. Parveen Nagpal / Purna Sharma -
 Sheth Publications)*

Sl No.	Topic	<i>Expected Completion Date</i>
Unit I	<i>Introduction to Customer Relationship Management</i>	
1	Concept, Evolution of Customer Relationships	04.08.20
2	Customers as strangers, acquaintances, friends and partners	09.08.20
3	Objectives, Benefits of CRM to customers and organizations	14.08.20
4	Customer Profitability segments, Components of CRM and Barriers to CRM	20.08.20
5	Relationship Marketing and CRM, Service Level Agreements, Relationship Challenges	25.08.20
Unit II	<i>CRM Marketing Initiatives, Customer Service and Data Management</i>	
6	Cross-Selling and Up-Selling, Customer Retention, Behaviour Prediction	30.08.20
7	Customer Profitability and value Modeling, Channel Optimization, Event-based Marketing	05.09.20
8	CRM and Customer Service	12.09.20
9	CRM and Data Management	20.09.20
Unit III	<i>CRM Strategy, Planning, Implementation and Evaluation</i>	
10	Understanding customers	28.09.20
11	Objectives of CRM Strategy, The CRM Strategy Cycle, Complexities of CRM Strategy	04.10.20
12	Planning and Implementation of CRM, B2B CRM, Sales Force Automation, Territory Management	10.10.20
13	Contact Management, Lead Management, Knowledge Management	20.10.20
14	CRM Implementation	01.11.20

15	CRM Evaluation	05.11.20
Unit IV	<i>CRM New Horizons</i>	
16	E-CRM	10.11.20
17	Software Application for Customer Service	20.11.20
18	Social Networking and CRM	01.12.20
19	Mobile-CRM	10.12.20
20	CRM Trends, Challenges and Opportunities	20.12.20
21	Ethical Issues in CRM	25.12.20
<i>From : S Sridharan</i>		

CLASS FYBCOM
DIV C [2 LECTURE]
SUBJECT ACCOUNTANCY AND FINANCIAL MANAGEMENT
SEMESTER II
TEACHER UDAY SHETTY

SRNO	MODULES	MONTH
1	FIRE INSURANCE CLAIMS	FEB MAR
2	CONSIGNMENT ACCOUNTS	MAR APR

CLASS SYBCOM
DIV B
SUBJECT ACCOUNTANCY AND FINANCIAL MANAGEMENT
SEMESTER IV
TEACHER UDAY SHETTY
TEACHING PLAN [2020-21]

SRNO	TOPICS	MONTH
1	INTRODUCTION TO COMPANY ACCOUNTS	JAN
2	REDEMPTION OF PREFERENCE SHARES	FEB
3	REDEMPTION OF DEBENTURES	MARCH
4	PROFIT PRIOR TO INCORPORATION	APRIL

Ramanand Arya D.A.V. College**Self Financing Courses****Academic Year 2020-2021****SESSION PLAN****Name of Class: TY Bsc [IT] SEM V****Name of Subject: Advanced Web Technology**

Date	Unit	Topic	Remarks	No. of Lectures
2nd Aug -4th Aug 2020	I	The .NET Framework, C#, VB, and the .NET Languages The Common Language Runtime, The .NET Class Library Language Basics, Variables and Data Types, Variable Operations	Notes given on every topic Using reference book	3
5th Aug -8th Aug 2020		Object-Based Manipulation, Conditional Logic, Loops, Methods The Basics About Classes, Building a Basic Class	Quiz based on computer languages.	6
9th Aug -12th Aug 2020		Value Types and Reference Types, Understanding Namespaces and Assemblies, Advanced Class Programming, Writing Code, Using the Code-Behind Class, Adding Event Handlers, Understanding the Anatomy of an ASP.NET Application	Notes given on every topic Using reference book	6
13 th Aug – 16th Aug 2020	II	Introducing Server Controls, Using the Page Class, Using Application Events, Configuring an ASP.NET Application. Stepping Up to Web Controls, Web Control Classes, List Controls, Table Controls, Web Control Events	Practical sessions	6
17th Aug – 20th Aug 2020		AutoPostBack, Validation, Understanding Validation, Using the Validation Controls, Rich Controls, The Calendar, The AdRotator, Pages with Multiple Views, User Controls and Graphics, User Controls	Practical sessions	6
21st Aug – 23rd Aug 2020		Dynamic Graphics, The Chart Control, Website Navigation: Site Maps, URL Mapping and Routing, The SiteMapPath Control, The TreeView Control, The Menu Control.	Quiz based on computer languages	6
24th Aug – 26th Aug 2020	III	Avoiding Common Errors, Understanding Exception Handling, Handling Exceptions, Throwing Your Own Exceptions, Using Page Tracing, Understanding the Problem of State, Using View State.	Notes given on every topic Using reference book	6
26th Aug – 30th Aug 2020		Transferring Information Between Pages, Using Cookies, Managing Session State.	Practical sessions	3

Date	Unit	Topic	Remarks	No. of Lectures
31st Aug – 3rd Sep 2020		Configuring Session State, Using Application State, Comparing State Management Options Styles, Themes, Master Page Basics, Advanced Master Pages.	Practical sessions	6
4th Sep – 11th Sep 2020	IV	Understanding Databases, Configuring Your Database, Understanding SQL Basics, Understanding the Data Provider Model, Using Direct Data Access, Using Disconnected Data Access	Practical sessions	6
12th Sep 2020 – 14th Sep 2020		Introducing Data Binding, Using Single-Value Data Binding, Using Repeated-Value Data Binding,.	Quiz based on computer languages	6
16th Sep – 25th Sep 2020		Working with Data Source Controls, The GridView, Formatting the GridView, selecting a GridView Row.		
26th Sep – 31st Sep 2020		Editing with the GridView, Sorting and Paging the GridView, Using GridView Templates, The DetailsView and FormView	Practical sessions	6
1st Oct – 10th Oct 2020		XML Explained, The XML Classes, XML Validation, XML Display and Transforms.	Practical sessions	6
15th Oct –20th Oct 2020		Understanding Security Requirements, Authentication and Authorization, Forms Authentication, Windows Authentication.	Practical sessions	6
30th Oct to 1st Nov 2020	V	Understanding Ajax, Using Partial Refreshes, Using Progress Notification,	Notes given on every topic Using reference book	6
1st Nov to 7th Nov 2020		Implementing Timed Refreshes, Working with the ASP.NET AJAX Control Toolkit	Practical sessions	6

Name of Faculty : Pallavi Wani

TEACHING PLAN

SEM : III 2020-21 CLASS: S.Y.B.Sc.I.T. SUBJECT : Database Management System

Ms. Anusha Suthersan

DATE	Unit	TOPIC	NO OF LECTURES	Practical
2nd Aug - 4th Aug 2020	Unit - I	Unit I Introduction to Databases and Transactions What is database system, purpose of database system,	4	2
5th Aug - 8th Aug 2020		view of data, relationaldatabases, database architecture, transaction management	4	2
9th Aug - 12th Aug 2020		Data Models The importance of data models, Basic building blocks, Business rules	4	2
13th – 16th Aug 2020		The evolutionof data models, Degrees of data abstraction.		
17th Aug – 20 th Aug 2020		Database Design,ER Diagram and Unified Modeling Language Database design and ER Model:overview, ERModel	4	2
21st Aug – 23rd Aug 2020		, Constraints, ERDiagrams, ERDIssues, weak entity sets, Codd’s rules, Relational Schemas, Introduction to UML	4	2
24th Aug – 26th Aug 2020	Unit II	Unit II Relational database model: Logical view of data, keys, integrity rules, Relational Database design: features of good relational database design, atomic domain and Normalization (1NF, 2NF, 3NF, BCNF)	4	2
26th Aug – 30th Aug 2020		Relational algebra: introduction, Selection and projection, set operations, renaming,Joins, Division, syntax, semantics. Operators, grouping and ungrouping,relationalcomparison.	4	2

31 st Aug – 3 rd Sep 2020		Tuple relational calculus, Domain relational Calculus, calculus vs algebra, computational capabilities	4	2
4 th Sep – 11 th Sep 2020	Unit III	Unit III Constraints, Views and SQL Constraints, types of constraints, Integrity constraints, Views: Introduction to views,	4	2
12 th sep 2020 – 14 th Sep 2020		data independence, security, updates on views, comparison between tables and views,	4	2
16 th sep – 25 th sep 2020		SQL: data definition, aggregate function, Null Values, nested sub queries, Joined relations. Triggers	4	2
26 th sep – 31 st sep 2020	Unit IV	Unit IV Control Transaction management: ACID properties	4	2
1 st Oct – 10 th Oct 2020		Lock based concurrency control (2PL, Deadlocks), Time stamping methods	4	2
15 th Oct – 20 th Oct 2020		serializability and concurrency control, optimistic methods, database recovery management		
30 th Oct to 1 st Nov 2020	Unit V	Unit V PL-SQL: Beginning with PL / SQL, Identifiers and Keywords, Operators, Expressions, Sequences, Control Structures, Cursors and Transaction	4	2
1 st Nov to 7 th Oct 2020		Collections and composite data types, Procedures and Functions, Exceptions Handling, Packages, With Clause and Hierarchical Retrieval, Triggers	4	2

SESSION PLAN SEM VI (2020-21)

Subject: Software Engineering- SY B.Sc IT – Sem IV

Teacher : Mrs. Anusha Suthersan

Week	Unit	Topics	No. Of Lectures
2 nd Jan 2021 – 8 th Jan 2021	I	Introduction: What is software engineering? Software Development Life Cycle, Requirements Analysis, Software Design, Coding, Testing, Maintenance etc. Software Requirements: Functional and Non-functional requirements, User Requirements, System Requirements, Interface Specification, Documentation of the software requirements. Software Processes: Process and Project, Component Software Processes. Software Development Process Models. • Waterfall Model. • Prototyping. • Iterative Development. • Rational Unified Process. • The RAD Model • Time boxing Model. Agile software development: Agile methods, Plan-driven and agile development, Extreme programming, Agile project management, Scaling agile methods.	12
9 th Jan 2021 – 18 th Jan 2021	I		
19 th Jan 2021 – 25 th Jan 2021	1		
27 th Jan 2021 – 31 st Jan 2021	II	Socio-technical system: Essential characteristics of socio technical systems, Emergent System Properties, Systems Engineering, Components of system such as organization, people and computers, Dealing Legacy Systems. Critical system: Types of critical system, A simple safety critical system, Dependability of a system, Availability and Reliability: Safety and Security of Software systems. Requirements Engineering Processes: Feasibility study, Requirements elicitation and analysis, Requirements Validations, Requirements Management. 12 32 System Models: Models and its types, Context Models, Behavioural Models, Data Models, Object Models, Structured Methods	12
27 th 2021 – 31 st Jan 2021	II		
27 th 2021 – 31 st Jan 2021	II		

Week	Unit	Topics	No. Of Lectures
1 st Feb 2021 – 8 th Feb 2021	III	Architectural Design: Architectural Design Decisions, System Organisation, Modular Decomposition Styles, Control Styles, Reference Architectures. User Interface Design: Need of UI design, Design issues, The UI design Process, User analysis, User Interface Prototyping, Interface Evaluation. Project Management Software Project Management, Management activities, Project Planning, Project Scheduling, Risk Management. Quality Management: Process and Product Quality, Quality assurance and Standards, Quality Planning, Quality Control, Software Measurement and Metrics.	12
10 th Feb 2021 – 18 th Feb 2021			
19 th Feb 2021 – 28 th Feb 2021	III		
1 st March 2021 – 8 th March 2021			
9 th March 2021 – 10 th March 2021	IV	Verification and Validation: Planning Verification and Validation, Software Inspections, Automated Static Analysis, Verification and Formal Methods.	12
11 st March 2021 – 18 st March 2021	IV		
18 th March 2021 – 20 th March 2021			
26 th March – 15 th April 2021	IV		
15 th April – 25 th April 2021	IV	Software Testing: System Testing, Component Testing, Test Case Design, Test Automation. Software Measurement: Size-Oriented Metrics, Function-Oriented Metrics, Extended Function Point Metrics Software Cost Estimation: Software Productivity, Estimation Techniques, Algorithmic Cost Modelling, Project Duration and Staffing	
16 th April – 25 th April 2021	V	Process Improvement: Process and product quality, Process Classification, Process Measurement, Process Analysis and Modeling, Process Change, The CMMI Process Improvement Framework. Service Oriented Software Engineering: Services as reusable components, Service Engineering, Software Development with Services. Software reuse: The reuse landscape, Application frameworks, Software	12
25 th April – 30 th April 2021	V		
1 st May – 5 th May 2021			

Week	Unit	Topics	No. Of Lectures
		product lines, COTS product reuse. Distributed software engineering: Distributed systems issues, Client– server computing, Architectural patterns for distributed systems, Software as a service	

TEACHING PLAN

SEM I 2020-21 CLASS: F.Y.B.Sc.I.T. SUBJECT : COMMUNICATION
SKILLS

Ms. Anusha Suthersan

DATE	Unit	TOPIC	NO OF LECTURES	NO OF PRACTICALS
1 st September -15 th September 2020	Unit-I	Unit-I The Seven Cs of Effective Communication: Completeness, Conciseness	4	2
17 th September -19 th September 2020		Nature and Scope of Communication, Non-verbal Communication	4	2
20 th September -21 st September 2020		Cross-cultural communication, Technology-enabled Business Communication	4	2
22 nd September – 29 th September 2020		Consideration, Concreteness, Clarity, Courtesy, Correctness	4	2
1 st October – 7 th October 2020		Function of communication, process of communication	4	2

9 th October – 13 th October 2020	Unit II	Unit II Business writing, Business Correspondence, Instructions	4	2
15 th October – 26 th October 2020		Career building and Resume writing. Developing Oral	4	2
27 th October – 1 st November 2020		Business Presentations and Public Speaking, Conversations, Interviews	4	2
2 nd November – 4 th November 2020		Business Reports and Proposals, Communication Skills for Business: Effective Listening,	4	2
5 th November 2019 – 7 th November 2020	Unit III	Meetings and Conferences, Group Discussions	4	2
8 th November – 10 th November 2020		Communication across Functional Areas	4	2
11 th November – 13 th November 2020		Team Presentations, Team Briefing,.	4	2

15 th November – 17 th November 2020	Unit IV	Unit IV Corporate Communication, Persuasive Strategies in Business Communication	4	2
18 th November – 22 nd November 2020		Ethics in Business Communication	4	2
23 rd November to 25 th November 2020		Business Communication Aids, Planning stage: Brainstorming	4	2
26 th November to 27 th November 2020	Unit V	Unit V Planning the presentations, executing the presentations, Impressing the audience by performing,	4	2
28 th November to 30 th November – 2020		Mind maps / concept maps, executing stage: chunking theory, creating outlines, Importance of practice and performance.	4	2

SESSION PLAN SEM VI (2020-21)

Subject: Software Quality Assurance (SQA)- TY B.Sc IT – Sem VI

Teacher : Mrs. Anusha Suthersan

Week	Unit	Topics	No. Of Lectures
2 nd Jan 2021 – 8 th Jan 2021	I	Introduction to Software Project Management: Introduction, Why is Software Project Management Important? What is a Project? Software Projects versus Other Types of Project, Contract Management and Technical Project Management, Activities Covered by Software Project Management, Plans, Methods and Methodologies, Some Ways of Categorizing Software Projects, Project Charter, Stakeholders, Setting Objectives, The Business Case, Project Success and Failure, What is Management?	12
9 th Jan 2021 – 18 th Jan 2021	I	Management Control, Project Management Life Cycle, Traditional versus Modern Project Management Practices.	
19 th Jan 2021 – 25 th Jan 2021	I	Project Evaluation and Programme Management: Introduction, Business Case, Project Portfolio Management, Evaluation of Individual Projects, Cost–benefit Evaluation Techniques, Risk Evaluation, Programme Management, Managing the Allocation of Resources within Programmes, Strategic Programme Management, Creating a Programme, Aids to Programme Management, Some Reservations about Programme Management, Benefits Management. An Overview of Project Planning : Introduction to Step Wise Project Planning, Step 0: Select Project, Step 1: Identify Project Scope and Objectives, Step 2: Identify Project Infrastructure, Step 3: Analyse Project Characteristics, Step 4: Identify Project Products and Activities, Step 5: Estimate Effort for	

Week	Unit	Topics	No. Of Lectures
		Each Activity, Step 6: Identify Activity Risks, Step 7: Allocate Resources, Step 8: Review/Publicize Plan, Steps 9 and 10: Execute Plan/Lower Levels of Planning	
27 th Jan 2021 – 31 st Jan 2021	II	Selection of an Appropriate Project Approach: Introduction, Build or Buy? Choosing Methodologies and Technologies, Software Processes and Process Models, Choice of Process Models, Structure versus Speed of Delivery, The Waterfall Model, The Spiral Model, Software Prototyping,	122
27 th 2021 – 31 st Jan 2021	II	Other Ways of Categorizing Prototypes, Incremental Delivery, Atern/Dynamic Systems Development Method, Rapid Application Development, Agile Methods, Extreme Programming (XP), Scrum, Lean Software Development, Managing Iterative Processes, Selecting the Most Appropriate Process Model.	
	II	Software Effort Estimation: Introduction, Where are the Estimates Done? Problems with Over- and Under-Estimates, The Basis for Software Estimating, Software Effort Estimation Techniques, Bottom-up Estimating, The Top-down Approach and Parametric Models, Expert Judgement, Estimating by Analogy, Albrecht Function Point	
1 st Feb 2021 – 8 th Feb 2021	III	Activity Planning: Introduction, Objectives of Activity Planning, When to Plan, Project Schedules, Projects and Activities, Sequencing and Scheduling Activities, Network Planning Models, Formulating a Network Model, Adding the Time Dimension, The Forward Pass, Backward Pass, Identifying the Critical Path, Activity Float, Shortening the Project Duration, Identifying Critical Activities, Activity-on-Arrow Networks.	12
10 th Feb 2021 – 18 th Feb 2021			
19 th Feb 2021 – 28 th Feb 2021	III	Risk Management: Introduction, Risk, Categories of Risk, Risk Management Approaches, A	

Week	Unit	Topics	No. Of Lectures
1 st March 2021 – 8 th March 2021	III	<p>Framework for Dealing with Risk, Risk Identification, Risk Assessment, Risk Planning, Risk Management, Evaluating Risks to the Schedule, Boehm’s Top 10 Risks and Counter Measures, Applying the PERT Technique, Monte Carlo Simulation, Critical Chain Concepts.</p> <p>Resource Allocation: Introduction, Nature of Resources, Identifying Resource Requirements, Scheduling Resources, Creating Critical Paths, Counting the Cost, Being Specific, Publishing the Resource Schedule, Cost Schedules, Scheduling Sequence.</p>	
9 th March 2021 – 10 th March 2021	IV	<p>Monitoring and Control: Introduction, Creating the Framework, Collecting the Data, Review, Visualizing Progress, Cost Monitoring, Earned Value Analysis, Prioritizing Monitoring, Getting the Project Back to Target, Change Control, Software Configuration Management (SCM).</p> <p>Managing Contracts: Introduction, Types of Contract, Stages in Contract Placement, Typical Terms of a Contract, Contract Management, Acceptance.</p> <p>Managing People in Software Environments: Introduction, Understanding Behaviour, Organizational Behaviour: A Background, Selecting the Right Person for the Job, Instruction in the Best Methods, Motivation, The Oldham–Hackman Job Characteristics Model, Stress, Stress Management, Health and Safety, Some Ethical and Professional Concerns.</p>	12
11 st March 2021 – 18 st March 2021	IV		
18 th March 2021 – 20 th March 2021	IV		
26 th March – 15 th April 2021	IV		
15 th April – 25 th April 2021			
16 th April – 25 th April 2021	V	<p>Working in Teams: Introduction, Becoming a Team, Decision Making, Organization and Team Structures, Coordination Dependencies, Dispersed and Virtual Teams,</p>	12
25 th April – 30 th April 2021			

Week	Unit	Topics	No. Of Lectures
1 st May – 5 th May 2021	V	Communication Genres, Communication Plans, Leadership. Software Quality : Introduction, The Place of Software Quality in Project Planning, Importance of Software Quality, Defining Software Quality, Software Quality Models, ISO 9126, Product and Process Metrics, Product versus Process Quality Management, Quality Management Systems, Process Capability Models, Techniques to Help Enhance Software Quality, Testing, Software Reliability, Quality Plans.	

RAMANAND ARYA D.A.V. COLLEGE
SELF – FINANCING COURSES
TEACHING PLAN 2020-21

Name of the faculty: **Swati K Sheyte**

Name of the Course and semester: **FYBFM Sem I**

Subject: **Business Communication – I**

Month	Portion to be completed	No. of lectures
September	Theory of Communication Concept of Communication: Meaning, Definition, Process, Need, Feedback Emergence of Communication as a key concept in the Corporate and Global world Impact of technological advancements on Communication Channels and Objectives of Communication: Channels Formal and Informal- Vertical, Horizontal, Diagonal, Grapevine Objectives of Communication: Information, Advice, Order and Instruction, Persuasion, Motivation, Education, Warning, and Boosting the Morale of Employees(A brief introduction to these objectives to be given)	6
October	Methods and Modes of Communication: Methods: Verbal and Nonverbal, Characteristics of Verbal Communication Characteristics of Non-verbal Communication, Business Etiquette Modes: Telephone and SMS Communication (General introduction to Telegram to be given) Facsimile Communication [Fax] Computers and E- communication Video and Satellite Conferencing Obstacles to Communication in Business World Problems in Communication /Barriers to Communication: Physical/ Semantic/Language / Socio-Cultural / Psychological / Barriers, Ways to Overcome these Barriers Listening: Importance of Listening Skills, Cultivating good Listening Skills – Introduction to Business Ethics: Concept and Interpretation, Importance of Business Ethics, Personal Integrity at the workplace, Business Ethics and media, Computer Ethics, Corporate Social Responsibility Teachers can adopt a case study approach and address issues such as the following so as to orient and sensitize the student community to actual business practices: Surrogate Advertising, Patents and Intellectual Property Rights, Dumping of Medical/E-waste, Human Rights Violations and Discrimination on the basis of gender, race, caste, religion, appearance and sexual orientation at the workplace Piracy, Insurance, Child Labour	16
November	Business Correspondence Theory of Business Letter Writing: Parts, Structure, Layouts—Full Block, Modified Block, Semi - Block Principles of Effective Letter Writing, Principles of effective Email Writing, Personnel Correspondence: Statement of Purpose, Job Application Letter and Resume, Letter of Acceptance of Job Offer, Letter of Resignation [Letter of Appointment, Promotion and Termination, Letter of Recommendation (to be taught but not to be tested in the examination)]	13

December	<p>Language and Writing Skills</p> <p>Commercial Terms used in Business Communication</p> <p>Paragraph Writing: Developing an idea, using appropriate linking devices, etc Cohesion and Coherence, self-editing, etc [Interpretation of technical data, Composition on a given situation, a short informal report etc.]</p> <p>Activities</p> <ul style="list-style-type: none"> • Listening Comprehension • Remedial Teaching • Speaking Skills: Presenting a News Item, Dialogue and Speeches • Paragraph Writing: Preparation of the first draft, Revision and Self – Editing, • Rules of spelling. • Reading Comprehension: Analysis of texts from the fields of Commerce and Management 	12
	Total	48

Name of the teacher: Swati K Shetye

Signature:

Co-ordinator

Principal

RAMANAND ARYA D.A.V. COLLEGE
SELF – FINANCING COURSES
TEACHING PLAN 2020-21

Name of the faculty: **Swati K Sheyte**

Name of the Course and semester: **FYBMS Sem II**

Subject: **Business Environment**

Month	Portion to be completed	No. of lectures
January	<p>Introduction to Business Environment Business – Meaning, Definition, Nature & Scope, Types of Business Organizations. Business Environment - Meaning, Characteristics, Scope and Significance, Components of Business Environment. Micro and Macro Environment - Definition, Differentiation, Analysis of Business Environment, SWOT Analysis. Introduction to Micro-Environment – Internal Environment: Value system, Mission, Objectives, Organizational Structure, Organizational Resources, Company Image, Brand Equity External Environment: Firm, customers, suppliers, distributors, Competitors, Society</p>	10
February	<p>Introduction to Macro Components – Demographic, Natural, Political, Social, Cultural, Economic, Technological, International and Legal Political and Legal Environment Political Institutions - Legislature, Executive, Judiciary, Role of government in Business, Legal framework in India. Economic environment- Economic system and economic policies. Concept of Capitalism, Socialism and Mixed Economy Impact of business on Private sector, Public sector and Joint sector Sun-rise sectors of India Economy. Challenges of Indian economy.</p>	15
March	<p>Social and Cultural Environment Nature, Impact of foreign culture on Business, Traditional Values and its Impact, Social Audit - Meaning and Importance of Corporate Governance and Social Responsibility of Business Technological Environment - Features, Impact of technology on Business Competitive Environment - Meaning, Michael Porter’s Five Forces Analysis, Competitive Strategies</p>	16
April	<p>International Environment - GATT/ WTO: Objective and Evolution of GATT, Uruguay round, GATT v/s WTO, Functions of WTO, Pros and Cons of WTO. - Globalization - Meaning , Nature and stages of Globalization, features of Globalization, Foreign Market entry strategies, LPG model. - MNCs - Definition, meaning, merits, demerits, MNCs in India - FDI - Meaning, FDI concepts and functions, Need for FDI in developing</p>	13

	countries, Factors influencing FDI, FDI operations in India, Challenges faced by International Business and Investment Opportunities for Indian Industry.	
	Total	54

Name of the teacher: Swati K Shetye

Signature:

Co-ordinator

Principal

Ramanand Arya D.A.V. College

Self-Financing Courses

Academic Year 2020-2021

SESSION PLAN

Name of Class: TY Bsc [IT] SEM VI

Name of Subject: Business Intelligence

Date	Unit	Topics	No. Of Lectures	Practical
1 st Jan 2021- 15 th Jan 2021	I	Business intelligence: Effective and timely decisions, Data, information and knowledge, The role of mathematical models, Business intelligence architectures, Ethics and business intelligence Decision support systems: Definition of system Representation of the decision-making process, Evolution of information systems Definition of decision support system, Development of a decision support system	12	Import the legacy data from different sources such as (Excel, SqlServer, Oracle etc.) and load in the target system.
16 th Jan 2021- 31 st Jan 2021	II	Mathematical models for decision making: Structure of mathematical models, Development of a model, Classes of models. Data mining: Definition of data mining, Representation of input data , Data mining process, Analysis methodologies Data preparation: Data validation, Data transformation, Data reduction	12	Perform the Extraction Transformation and Loading (ETL) process to construct the database in the Sqlserver. a. Create the Data staging area for the selected database. b. Create the cube with suitable dimension and fact tables based on

	II			ROLAP, MOLAP and HOLAP model.
1 st Feb 2021- 15 th Feb 2021	III	<p>Classification: Classification problems, Evaluation of classification models, Bayesian methods, Logistic regression,</p> <p>Neural networks Support vector machines Clustering: Clustering methods</p> <p>Partition methods ,Hierarchical methods, Evaluation of clustering models</p>	12	<p>a.Create the ETL map and setup the schedule for execution. b. Execute the MDX queries to extract the data from the datawarehouse.</p> <p>a. Import the Datawarehouse data in Microsoft Excel and create the Pivot table and Pivot Chart. b. Import the cube in Microsoft Excel and create the Pivot table and Pivot Chart to perform data analysis</p>
16 th Feb 2021 – 15 th March 2021	IV	<p>Business intelligence applications: Marketing models: Relational marketing, Sales force management</p> <p>Logistic and production models: Supply chain optimization, Optimization models for logistics planning, Revenue management systems.</p>	12	<p>Apply the what – if Analysis for data visualization. Design and generate necessary reports based on the data warehouse data.</p> <p>Perform the</p>
	IV	Data envelopment analysis: Efficiency measures, Efficient frontier, The CCR		

	IV	model, Identification of good operating practices		<p>data classification using classification algorithm</p> <p>Perform the data clustering using clustering algorithm</p>
16 th March 2021 – 20 th April 2021	V	<p>Knowledge Management: Introduction to Knowledge Management, Organizational Learning and Transformation, Knowledge Management Activities, Approaches to Knowledge Management, Information Technology (IT) In Knowledge Management, Knowledge Management Systems Implementation, Roles of People in Knowledge Management</p> <p>Artificial Intelligence and Expert Systems: Concepts and Definitions of Artificial Intelligence, Artificial Intelligence Versus Natural Intelligence, Basic Concepts of Expert Systems, Applications of Expert Systems, Structure of Expert Systems, Knowledge Engineering, Development of Expert Systems</p>	12	<p>Perform the Linear regression on the given data warehouse data.</p> <p>Perform the logistic regression on the given data warehouse data</p>

RAMANAND ARYA D.A.V. COLLEGE
SELF – FINANCING COURSES
TEACHING PLAN 2020-21

Name of the faculty: **Swati K Sheyte**

Name of the Course and semester: **SYBMS Sem IV**

Subject: **Business Research Method**

Month	Portion to be completed	No. of lectures
January	<p>Introduction to Business Research Methods</p> <p>1. Meaning and Objectives of Research</p> <p>2. Types of Research – (a) Pure, Basic and Fundamental (b) Applied (c) Empirical (d) Scientific & Social (e) Historical (f) Exploratory (g) Descriptive (h) Causal</p> <p>3. Concepts in Research: Variables, Qualitative and Quantitative Research</p> <p>4. Stages in Research Process</p> <p>5. Characteristics of Good Research</p> <p>6. Hypothesis - Meaning, Nature, Significance, Types of Hypothesis, Sources</p> <p>7. Research Design – Meaning, Definition, Need and Importance, Steps in Research Design, Essentials of a Good Research Design, Areas/Scope of Research Design and Types - Descriptive, Exploratory and Causal</p>	15
February	<p>8. Sampling – (a) Meaning of Sample and Sampling, (b) Methods of Sampling - (i) Non Probability Sampling – Convenient, Judgement, Quota, Snow ball (ii) Probability – Simple Random, Stratified, Cluster, Multi Stage.</p> <p>Data Collection and Processing</p> <p>1. Types of Data and Sources - Primary and Secondary Data Sources</p> <p>2. Methods of collection of primary data</p> <p>(a) Observation - (i) structured and unstructured, (ii) disguised and undisguised, (iii) mechanical observations (use of gadgets)</p> <p>(b) Experimental - (i) Field, (ii) Laboratory</p> <p>(c) Interview – (i) Personal Interview, (ii) focused group, (iii) indepth interviews - Method</p> <p>(d) Survey – Telephonic survey, Mail, E-mail, Internet survey, Social Media, and Media Listening</p> <p>(e) Survey Instrument – (i) Questionnaire designing, (ii) Types of questions – (a) structured/ close ended and (b) unstructured/ open ended, (c) Dicotomous, (d) Multiple Choice Questions</p> <p>(f) Scaling techniques - (i) Likert scale, (ii) Semantic Differential scale</p>	15
March	<p>Data Analysis and Interpretation</p> <p>(a) Processing of data – i) Editing - field and office editing, ii) coding – meaning and essentials, iii) tabulation – note</p> <p>(b) Analysis of data- Meaning, Purpose, types.</p> <p>(c) Interpretation of data- Essentials, importance and Significance of processing data</p> <p>(d) Multivariate analysis – concept only</p> <p>(e) Testing of hypothesis – concept and problems – (i) chi square test, (ii) Z and t-test (for large and small sample)</p>	15
April	<p>Advanced Techniques in Report Writing</p> <p>1. Report Writing – (i) Meaning, Importance, Functions of Reports, Essential of a Good Report, Content of Report, Steps in writing a Report, Types of Reports, Footnotes and Bibliography</p>	15

	2. Ethics and Research 3. Objectivity, Confidentiality and Anonymity in Research 4. Plagiarism	
	Total	60

Name of the teacher: Swati K Shetye

Signature:

Co-ordinator

Principal

Teaching Plan for F.Y. B. Com. Semester I and T. Y. B. Com. Semester V, 2020-21

Due to the lockdown caused by worldwide pandemic Covid19 the teaching methodology of educational institutions has to be modified to adapt to the current situation. Therefore, the department has decided to create contactless teaching mode till the situation improves. Following are the highlights of pedagogy of the Department of Economics during the academic year 2020-21:

- Online teaching using Google Classroom
- Recorded lectures, Power Point Presentations on topics
- Handouts and synoptic answers
- MCQ tests on various topics (Online mode using Google Form)
- Conducting online lectures with the help of Zoom, MS Meet or Google Meet Apps
- Live streaming of lectures using YouTube

The department shall attempt to teach at least first two modules with the help of online teaching methods. Once the ill impact of pandemic subsides and the city crawls back to normality, classroom teaching would be resumed.

The syllabus of First Year B.Com. for the first semester is as follows:

Semester I Syllabus

Module I: Introduction

- Introduction to Business Economics
- Market Demand and Supply

Module II: Demand Analysis

- Demand Function
- Elasticity of Demand
- Demand Estimation and Forecasting

Module III: Supply and Production Decisions

- Theory of Production
- Short-Run and Long-Run Analysis of Production
- Economies and Diseconomies of Scale

Module IV: Cost of Production

- Cost Concepts
- Cost–Output Relationship
- Break–Even Analysis

The syllabus of Second Year B.Com. for the third semester is as follows:

Semester III Syllabus

Module I: Introduction

- Introduction to Macroeconomics
- Circular flow of income
- Measurement of National income
- Trade Cycles
- Say's Law of Markets

Module II: Basic Concepts of Keynesian Economics

- Theory of Effective Demand
- Consumption function
- Investment Function
- Theory of Multiplier
- Liquidity Preference Theory of Rate of Interest

Module III: Post Keynesian Development in Macro Economics

- IS – LM Model
- Phillips Curve

Module IV: Money, Prices and Inflation

- Money Supply
- Demand for Money
- Money and Prices
- Inflation – I
- Inflation – II

The syllabus of Third Year B.Com. for the fifth semester is as follows:

Semester V Syllabus

Module I: Macro Economics Overview of India

- New Economic Policy 1991
- Social Infrastructure: Education, Health and Family Welfare in India

- Sustainable Development: Goals and Policy Measures
- Foreign Investment in India

Module II: Agriculture During Post Reform Period

- National Agricultural Policy – 2000
- Agricultural Pricing
- Agriculture Finance
- Agriculture Marketing

Module III: The Industry and Service Sector During Post Reform Period

- Overview of Industrial Sector: Competition Act, 2002
- Disinvestment Policy
- MSME Sector
- Service Sector: Trends in Healthcare and Tourism Industry

Module IV: Banking and Financial Market

- Banking
- Insurance Industry
- Money Market
- Capital Market

FYBCOM (Semester – II) Teaching Plan (2020 – 21) Business Economics – II

The second term in the current academic session 2020-21 started around two months later than the previous year due to lockdown caused by Covid19 pandemic. The teaching methodology has been contactless online teaching with the help of Microsoft Teams software. The faculty and learners have adapted themselves with the new teaching methodology. Following is the tentative teaching plan for Semester IV Business Economics paper during the current academic year 2020-21.

Unit I: Market Structure: Perfect Competition and Monopoly (10 lectures)

Perfect competition and Monopoly models as two extreme cases, Profit maximisation and the competitive firm's supply curve

- Tentatively from 3rd January to 9th January, 2021

Short run and long run equilibrium of a firm and of industry

- Tentatively from 10th January to 16th January, 2021

Monopoly - Sources of monopoly power, Short run and long run equilibrium of a firm under Monopoly

- Tentatively from 17th January to 23rd January, 2021

Unit II: Pricing and Output Decisions under Imperfect Competition (15 lectures)

Monopolistic competition: Competitive and Monopolistic elements of monopolistic competition, Equilibrium of firm under monopolistic competitions

- Tentatively from 24th January to 6th February, 2021

Monopolistic verses perfect competition, excess capacity and inefficiency, Debate over role of advertising

- Tentatively from 7th February to 13th February, 2021

Oligopolistic Market: Key attributes of oligopoly, Collusive and non-collusive oligopoly market

- Tentatively from 14th February to 20th February, 2021

Price rigidity, Cartels and price leadership models (with practical examples)

- Tentatively from 21st February to 27th February, 2021

Unit III: Pricing practices (10 lectures)

Cost oriented pricing methods: cost –plus (full cost)/mark-up pricing, Marginal cost pricing,

- Tentatively from 28th February to 6th March, 2021

Mark up pricing, Discriminating pricing, Multiple – product pricing - transfer pricing

- Tentatively from 7th March to 13th March, 2021

Unit IV: Evaluating capital projects (10 lectures)

Meaning and importance of capital budgeting, Steps in capital budgeting

- Tentatively from 14th March to 20th March, 2021

Payback period method, Net present value method, Internal rate of return method

- Tentatively from 21st March to 30th March, 2021

Teaching Plan for Semester IV (S.Y.B. Com.) – 2020-21

Modules

Number of Lectures

Module I: The Role of Government in an Economy

10

- The Role of Government in an Economy – Public Finance. This topic will be discussed tentatively from 11th January to 16th January, 2021.
- The Principle of Maximum Social Advantage. This topic will be discussed tentatively from 18th January, 2021 to 21st January, 2021.
- Efficiency – Market – Government. This topic will be discussed tentatively from 22nd January, 2021 to 28th January, 2021.

Module II: Public Revenue

10

- Public Revenue, this topic will be discussed tentatively from 29th January, 2021 to 2nd February, 2021.
- Shifting of Tax Burden, this topic will be discussed tentatively from 3rd February to 7th February, 2021.
- Economic Effects of Taxation, this topic will be discussed tentatively from 8th February, to 10th February, 2021.

Module III: Public Expenditure and Public Debt

10

- Public Expenditure: Canons, Classification and Effects, this topic will be discussed tentatively from 11th February to 13th February, 2021.
- Growth of Public Expenditure, this topic will be discussed tentatively from 15th February to 18th February, 2021.
- Public Expenditure and Social Welfare, this topic will be discussed tentatively from 19th February to 22nd February, 2021.
- Public Debt: This topic will be discussed tentatively from 23rd February, to 25th February, 2021.

Module IV: Fiscal Management and Financial Administration

15

- Fiscal Policy, this topic will be discussed tentatively from 26th February to 1st March, 2021.
- Types of Fiscal Policy, this topic will be discussed tentatively from 2nd March to 6th March, 2021.
- Types of Budget and Concepts of Budget, this topic will be discussed tentatively from 8th March, to 15th March, 2021.

- Intergovernmental Fiscal Relations, this topic will be discussed tentatively from 16th March to 22nd March, 2021.

Rest of the period before the semester examination will be used for revision of difficult topics, discussion of paper pattern, important questions and question bank.

TYBCOM (Semester – VI) / Teaching Plan (2020 – 21) **International Economics**

Module – I: Introduction to International Trade (10 Lectures)

Theories of international Trade – Ricardo’s Theory of Comparative Costs

- Tentatively from 3rd January to 9th January, 2021

The Heckscher-Ohlin Theory

- Tentatively from 10th January to 16th January, 2021

Terms of Trade – Types and Limitations

- Tentatively from 17th January to 27th January, 2021

Gains from international Trade – Offer Curves and Reciprocal Demand

- Tentatively from 28th January to 30th January, 2021

Module – II: Commercial Policy (10 Lectures)

Commercial Trade Policy – Free Trade and Protection – Pros and Cons

- Tentatively from 31st January to 6th February, 2021

Tariff and Non-Tariff Barriers: Meaning, Types and Effects

- Tentatively 7th February to 13th February, 2021

International Economic Integration – Types and Objectives

- Tentatively 14th February to 20th February, 2021

European Union and BREXIT, ASEAN

- Tentatively 21st February to 27th February, 2021

Module – III: Balance of Payment and International Economic Organisation (15 Lectures)

Balance of Payment – Meaning and Structure

- Tentatively 28th February to 3rd March, 2021

Types of Disequilibrium, Causes and measures to correct the disequilibrium

- Tentatively 4th March to 12th March, 2021

WTO – Recent developments in TRIPS, TRIMS and GATS

- Tentatively 13th March to 15th March, 2021

Module – IV: Foreign Exchange Market (10 Lectures)

Foreign exchange market: Meaning, Functions, Determination of Equilibrium rate of exchange

- Tentatively 14th March to 20th March, 2021

Purchasing Power Parity Theory, spot and Forward Exchange Rates, Arbitrage

- Tentatively 21st March to 25th March, 2021

Role of Central Bank in Foreign Exchange Rate Management, Managed Flexible Exchange Rate System in India

- Tentatively 26th March to 30th March, 2021

TEACING PLAN - SY BSc IT- 2020-21 (SEM IV)

Subject: Computer Graphics and Animation

Ms. Srabani Ganguli

Date	Unit	Topic	No Of Lectures	Remarks
1 st Jan 2021- 15 th Jan 2021	Unit-I	Introduction to Computer Graphics Overview of Computer Graphics, Computer Graphics Application and Software, Description of some graphics devices Input Devices for Operator Interaction, Active and Passive Graphics Devices, Display Technologies, Storage Tube Graphics Displays, Calligraphic Refresh Graphics Displays, Raster Refresh (Raster-Scan) Graphics Displays, Cathode Ray Tube Basics, Color CRT Raster Scan	4	
16 th Jan 2021- 20 th Jan 2021		Video Basics, The Video Controller, Random-Scan Display Processor, LCD displays. Scan conversion – Digital Differential Analyzer (DDA) algorithm, Bresenhams' Line drawing algorithm. Bresenhams' method of Circle drawing	4	
21 st Jan 2021- 31 st Jan 2021		Midpoint Circle Algorithm, Midpoint Ellipse Algorithm, Mid-point criteria, Problems of Aliasing, end-point ordering and clipping lines, Scan Converting Circles, Clipping Lines algorithms– Cyrus-Beck, Cohen-Sutherland and Liang-Barsky, Clipping Polygons, problem with multiple components.	4	
1 st Feb 2021 – 10 th Feb 2021	Unit-II	Two-Dimensional Transformations: Transformations and Matrices, Transformation Conventions, 2D Transformations, Homogeneous Coordinates and Matrix Representation of 2D Transformations, Translations and Homogeneous Coordinates, Rotation, Reflection, Scaling, Combined Transformation,.	4	Tutorial on Unit I
11 th Feb 2021 – 20 th Feb 2021		Transformation of Points, Transformation of The Unit Square, Solid Body Transformations, Rotation About an Arbitrary Point, Reflection through an Arbitrary Line, A Geometric Interpretation of Homogeneous Coordinates, The Window-to-Viewport Transformations.	4	Revision of previous Topics
21 st Feb 2021 – 1 st March 2021		Three-Dimensional Transformations: Three-Dimensional Scaling, Three-Dimensional Shearing, Three-Dimensional Rotation, Three-Dimensional Reflection, Three-Dimensional Translation, Multiple Transformation, Rotation about an Arbitrary Axis in Space, Reflection through an Arbitrary Plane, Matrix Representation of 3D Transformations, Composition of 3D Transformations, Affine and Perspective Geometry, Perspective	4	Tutorial on Unit II

		Transformations, Techniques for Generating Perspective Views, Vanishing Points, the Perspective Geometry and camera models, Orthographic Projections, Axonometric Projections, Oblique Projections, View volumes for projections.		
2 nd March 2021 – 11 th March 2021	Unit-III	Viewing in 3D Stages in 3D viewing, Canonical View Volume (CVV), Specifying an Arbitrary 3D View, Examples of 3D Viewing, The Mathematics of Planar Geometric Projections	4	Class Test
12 th March 2021 – 15 th March 2021		Combined transformation matrices for projections and viewing, Coordinate Systems and matrices, camera model and viewing pyramid.	4	Discussion of Class Test Question Paper
16 th March 2021 – 20 th March 2021		Light: Radiometry, Transport, Equation, Photometry Color: Colorimetry, Color Spaces, Chromatic Adaptation, Color Appearance	4	Tutorial on Unit III
21 st March 2021 – 28 th March 2021	Unit-IV	Visible-Surface Determination: Techniques for efficient Visible-Surface Algorithms, Categories of algorithms, Back face removal, The z-Buffer Algorithm, Scan-line method, Painter's algorithms (depth sorting), Area sub-division method,	4	Revision of previous Topics
29 th March 2021 – 10 th April 2021		Plane Curves and Surfaces: Curve Representation, Nonparametric Curves, Parametric Curves, Parametric Representation of a Circle, Parametric Representation of an Ellipse, Parametric Representation of a Parabola,	4	Tutorial on Unit IV
11 th April 2021 – 15 th April 2021	Unit-IV	Parametric Representation of a Hyperbola, Representation of Space Curves, Cubic Splines, , Bezier Curves, B-spline Curves, B-spline Curve Fit, B-spline Curve Subdivision, Parametric Cubic Curves, Quadric Surfaces. Bezier Surfaces.	4	
16 th April 2021 – 19 th April 2021	Unit - V	Computer Animation: Principles of Animation, Key framing, Deformations, Character Animation, Physics-Based Animation, Procedural Techniques, Groups of Objects	4	
20 th April 2021 – 22 nd April 2021		Image Manipulation and Storage: What is an Image? Digital image file formats, Image compression standard – JPEG	4	
23 rd April 2021 – 28 th April 2021		, Image Processing - Digital image enhancement, contrast stretching, Histogram Equalization, smoothing and median Filtering.	4	Tutorial on Unit V

SESSION PLAN

SEM : III 2020-21 CLASS: S.Y.B.Sc.I.T. SUBJECT : Computer Networks

Ms. Amruta Joshi

DATE	TOPIC	NO OF LECTURES	Practical
WEEK 1 : 15 TH JULY TO 21 ST JULY	Unit I Introduction: Data communications, networks, network types, Internet history, standards and administration.	4	2
22 JULY TO 29 TH JULY	TCP/IP protocol suite, The OSI model. Introduction to Physical layer: Data and signals, periodic analog signals, digital signals, transmission impairment, data rate limits, performance.	4	2
30 TH JULY TO 6 TH AUG	Network Models: Protocol layering Digital and Analog transmission: Digital-to-digital conversion, analog-to-digital conversion, transmission modes, digital-to-analog conversion, analog-to-analog conversion	4	2
8 TH AUG TO 15 TH AUG	Unit II Bandwidth Utilization: Multiplexing and Spectrum Spreading: Multiplexing, Spread Spectrum	4	2
16 TH AUG 20 TH AUG	Transmission media: Guided Media, Unguided Media Switching: Introduction, circuit switched networks, packet switching, structure of a switch.	4	2
22 ND AUG TO 27 AUG	Introduction to the Data Link Layer: Link layer addressing, Data Link Layer Design Issues, Error detection and correction, block coding, cyclic codes, checksum, forward error correction, error correcting codes, error detecting codes.	4	2
29 TH AUG TO 3 RD SEPT	,Unit III Data Link Control: DLC services, data link layer protocols, HDLC, Point-to-point protocol.	4	2

	Media Access Control: Random access, controlled access, channelization,		
5 TH SEPT TO 10 TH SEPT	Wired LANs – Ethernet Protocol, standard ethernet, fast ethernet, gigabit ethernet, 10 gigabit ethernet,	4	2
12 TH SEPT TO 17 TH SEPT	Wireless LANs: Introduction, IEEE 802.11 project, Bluetooth, WiMAX, Cellular telephony, Satellite networks. Connecting devices and Virtual LANs.	4	2
19 TH SEPT TO 24 TH SEPT	Unit IV Introduction to the Network Layer: Network layer services, packet switching, network layer performance, IPv4 addressing, forwarding of IP packets, Internet Protocol, ICMPv4,	4	2
26 TH SEPT TO 30 TH SEPT	Mobile IP Unicast Routing: Introduction, routing algorithms, unicast routing protocols. Next generation IP: IPv6 addressing, IPv6 protocol, ICMPv6 protocol, transition from IPv4 to IPv6.	4	2
1 ST OCT TO 8TH OCT	Unit V Introduction to the Transport Layer: Introduction, Transport layer protocols (Simple protocol, Stop-and-wait protocol, Go-Back-n, Stop-and-wait protocol, Selective repeat protocol, Bidirectional protocols), Transport layer services, User datagram protocol,	4	2
8 TH OCT TO 15 TH OCT	Transmission control protocol, Standard Client-Server Protocols: World wide-web and HTTP, FTP, Electronic mail, Telnet, Secured Shell, Domain name system	4	2

Ramanand Arya D.A.V. College

Self Financing Courses

Academic Year 2020-21

SESSION PLAN

Name of Class: SY Bsc [IT] SEM IV

Name of Subject: CORE JAVA

Date	Unit	Topic	Remarks	practical's	No. of Lectures
1st-9th jan 2021	I	Introduction: History, architecture and its components, Java Class File, Java Runtime Environment, The Java Virtual Machine, JVM Components, The Java API, java platform, java development kit, Lambda Expressions, Methods References, Type	notes upload in google classroom	2	4
11th- 16th jan 2021	I	Annotations, Method Parameter Reflection, setting the path environment variable, Java Compiler And Interpreter, java programs, java applications, main(), public, static, void, string[] args, statements, white space, case sensitivity, identifiers, keywords, comments, braces and code blocks, variables, variable name	notes upload in google classroom	2	4
18TH- 23RD 2021	I	Control Flow Statements: The If...Else If...Else Statement, The Switch...Case Statement Iterations: The While Loop, The Do ... While Loop, The For Loop, The Foreach Loop, Labeled Statements, The Break And Continue Statements, The Return Statement	notes upload in google classroom	2	4
25th- 30th jan 2021	II	Classes: Types of Classes, Scope Rules, Access Modifier, Instantiating Objects From A Class,	notes upload in google classroom	2	4
1st-6th feb 2021		Initializing The Class Object And Its Attributes, Class Methods, Accessing A Method, Method Returning A Value, Method's Arguments, Method	notes upload in google classroom	2	4
8th-13th feb 2021	II	Overloading, Variable Arguments [Varargs], Constructors, this Instance, super Instance,	notes upload in google classroom	2	4
15th-20th 2021feb	II	Characteristics Of Members Of A Class, constants, this instance, static fields of a class, static methods of a class, garbage collection.	notes upload in google classroom	2	4
22nd-27th feb 2021	III	Classes: Types of Classes, Scope Rules, Access Modifier, Instantiating Objects From A Class, Initializing The Class Object And Its Attributes, Class Methods, Accessing A	notes upload in google classroom		4

		Method, Method Returning A Value, Method's Arguments			
1st-6thmarch 2021	III	Inheritance: Derived Class Objects, Inheritance and Access Control, Default Base Class Constructors, this and super keywords. Abstract Classes And Interfaces, Abstract Classes, Abstract Methods, Interfaces	notes upload in google classroom		6
8th-13th march 2021	III	What Is An Interface? How Is An Interface Different From An Abstract Class?, Multiple Inheritance, Default Implementation, Adding New Functionality,	notes upload in google classroom		6
15th-20th march 2021	III	Method Implementation, Classes V/s Interfaces, Defining An Interface, Implementing Interfaces.	notes upload in google classroom		6
22nd-27th march 2021	III	Packages: Creating Packages, Default Package, Importing Packages, Using A Package	notes upload in google classroom		6
29th march-3rd april 2021	IV	Enumerations, Arrays: Two Dimensional Arrays, Multi-Dimensional Arrays, Vectors, Adding Elements To A Vector, Accessing Vector Elements, Searching For Elements In A Vector, Working With The Size of The Vector. Multithreading: the thread control methods, thread life cycle, the main thread, creating a thread, extending the thread class.	notes upload in google classroom		6
5th-10th April 2021	IV	Exceptions: Catching Java Exceptions, Catching Run-Time Exceptions, Handling Multiple Exceptions, The finally Clause, The throws Clause Byte streams: reading console input, writing console output, reading file, writing file, writing binary data, reading binary data, getting started with character streams, writing file, reading file	notes upload in google classroom		6
12th-17th April 2021	V	Event Handling: Delegation Event Model, Events, Event classes, Event listener interfaces, Using delegation event model, adapter classes and inner classes.	notes upload in google classroom		6
19th-24th April 2021	V	Abstract Window Toolkit: Window Fundamentals, Component, Container, Panel, Window, Frame, Canvas. Components – Labels, Buttons, Check Boxes, Radio Buttons, Choice Menus, Text Fields, Text, Scrolling List, Scrollbars, Panels, Frames	notes upload in google classroom		4
26th-30th April 2021	V	Layouts: Flow Layout, Grid Layout, Border Layout, Card Layout.	notes upload in google classroom		

Name of Faculty : shivangi saxena

SUBJECT: Corporate Accounting

NAME:NAGARAJ ARABHAVI

CLASS : T.Y.BFM

SEM :V

Sr. No.	Modules / Units	No of lectures
1	Redemption of Preference shares and redemption of debentures	15
	<u>Redemption of Preference Shares</u> <ul style="list-style-type: none">• Company Law / Legal Provisions for redemption• Sources of redemption including divisible profits and proceeds of fresh issue of shares) Premium on redemption from security premium and profits of company• Capital Redemption Reserve Account - creation and use <u>Redemption of Debentures (Including purchase or buy back of own debentures)</u> <ul style="list-style-type: none">• By payment from sources including out of capital and/ or out of profits• Debenture redemption reserve and debenture redemption sinking fund excluding insurance policy• By conversion into new class of shares or debentures with options including at par, premium and discount• Purchase/ buy back of own debentures for immediate cancellation or holding including ex and cum interest for purchase/ sale price (excluding brokerage thereon)	
2	Ascertainment and treatment of profit prior to incorporation	15
	Principles for ascertainment Preparation of separate, combined and columnar profit and loss a/c including different basis of allocation of expenses / incomes	
3	Amalgamation of Companies (w.r.t. AS 14) (Excluding Intercompany Holdings)	15

	<p>In the nature of merger and purchase with corresponding accounting treatments of pooling of interests and purchase methods respectively</p> <p>Computation and meaning of purchase consideration</p> <p>Problems based on purchase method of accounting only</p>	
4	Capital Reduction and Internal Reconstruction	15
	<p>Need for reconstruction and Company Law provisions</p> <p>Distinction between internal and external reconstructions</p> <p>Methods including alteration of share capital, variation of share holder rights, sub division, consolidation, surrender and reissue/cancellation, reduction of share capital, with relevant legal provisions and accounting treatments for same</p>	

Name : NAGARAJ ARABHAVI

SEM :III

Subject Financial Accounting:III

Class: SYBAF

Month	Module/ Unit	Topic	No. of lectures	
June	I	MODEL1: PARTNERSHIP FINAL ACCOUNTS: <ul style="list-style-type: none">• Introductions• Partnership accounts• Payments to partners• Partnership final accounts• Adjustments• IIIUSTRATIONS• Types of partners and their IIUSTRACTION	12	
July	II	MODEL 2: Piecemeal Distribution of cash <ul style="list-style-type: none">• Introductions• Distribution in stages• Settlement of Liabilities• Methods• IIIUSTRATIONS• Proportions captial methods	15	
Aug-sept	III	MODEL3: AMALGAMATION OF FIRMS: <ul style="list-style-type: none">• Meaning• Accounting procedure – realisationmethodS	09	
Sept –oct	IV	MODEL4:Conversion / sale of a partnership firm into a limited company <ul style="list-style-type: none">• Introduction• Purchase consideration• Entries in the books of firm• Books of company• IIIUSTRATIONS	08	

SUBJECT: Corporate Restructuring
NAME: NAGARAJ ARABHAVI

CLASS : TYBFM

SEM : VI

Sr. No	Modules /Units	
1	Mergers and Acquisitions- introduction	15
	<ul style="list-style-type: none"> • Introduction to Mergers and Acquisitions, Mergers and Acquisitions- An Overview: Various Forms of Corporate Restructuring- Restructuring: Underlying Issues • Mergers and Acquisition Waves, Merger Movements in the US- Trends of Mergers and Acquisitions in India- Growing need for Corporate Restructuring in Recent times, India Inc begins M & A Innings- Hostile Takeovers 	•
2	Mergers and acquisition- strategic aspect	15
	Maximization of Organization Value and Mergers & Acquisitions, Definition of Strategy- Process of Strategic Planning- Alternative Strategy Methodologies- Approaches to Strategy Formulation – Formulating a Competitive Strategy- Diversification Strategy- Internal Vs External Growth.	
3	Theories and process of mergers and acquisitions	15
	<ul style="list-style-type: none"> • Theories of Mergers, Efficiency Theories- Information and Signalling- Agency Problems and Managerialism - Free Cash Flow Hypothesis – Market Power- Taxes and their Impact on Merger Decisions- Hubris Hypothesis • Types of M&A, Mergers and Acquisitions, Different forms and Various Types of Mergers • M&A Process, Merger and Acquisition Process- Participants in the Merger and Acquisition process- Post merger Integration – Reasons for Failure of Mergers and Acquisitions 	•
4	Takeovers and leverages buyouts	15
	<ul style="list-style-type: none"> • Takeover Defences, Friendly vs. Hostile Takeovers- Alternative Takeover Tactics- Preventive Anti- takeover Measures- Active Anti- takeover □ Going Private Transactions, Methods of Going Private. • Leveraged Buy-outs, Elements of a typical LBO operation- Forms of LOB Financing- Characteristics of an ideal Leveraged Buy-out Candidate- Sources of Gains in LBOs- Management Buyouts- Management Buy ins- Leverage cash outs. 	•

SESSION PLAN SEM VI (2020-2021)

Subject: Cyber Law

TY B.Sc IT – Sem VI

Teacher : Mrs. Shivangi Saxena

Week	Unit	Topics	No. Of Lectures	Practicals
1st-9th jan 2021	Unit 1	Power of Arrest Without Warrant Under the IT Act, 2000: A Critique, Crimes of this Millennium, Section 80 of the IT Act, 2000 – A Weapon or a Farce? Forgetting the Line Between Cognizable and Non-Cognizable Offences, Necessity of Arrest without Warrant from	6	Introduction to Android, Introduction to Android Studio IDE, Application Fundamental
11th-16th jan 2021		Any Place, Public or Otherwise, Check and Balances Against Arbitrary Arrests, Arrest for “About to Commit” an Offence Under the IT Act: A Tribute to Draco, Arrest, But NO Punishment!	6	Programming Resources Android Resources: (Color, Theme, String, Drawable, Dimension, Image),
18TH-23RD 2021		Cyber Crime and Criminal Justice: Penalties, Adjudication and Appeals Under the IT Act, 2000: Concept of “Cyber Crime “ and the IT Act , 2000, Hacking, Teenage Web Vandals, Cyber Fraud and Cyber Cheating, Virus on the Internet, Defamation, Harassment and Email Cyber Crime.	6	Programming Activities and fragments Activity Life Cycle, Activity methods
25th- 30th jan 2021		Abuse, Cyber Pornography, Other IT Act Offences, Monetary Penalties, Adjudication and Appeals Under IT Act , 2000, Network Service Providers, Jurisdiction and Cyber Crime, Nature of Cyber Criminality, Strategies to Tackle Cyber Crime and Trends, Criminal Justice in India and Implications on	6	Programs related to different Layouts 61 Coordinate, Linear, Relative

1st-6th feb 2021	Unit II	Contracts in the Infotech World: Contracts in the Infotech World, Click-Wrap and Shrink-Wrap Contract: Status under the Indian 12 52 Contract Act, 1872, Contract Formation Under the Indian Contract	6	Table, Absolute, Frame, List View, Grid View.
8th-13th feb 2021		Act, 1872, Contract Formation on the Internet, Terms and Conditions of Contracts. Jurisdiction in the Cyber World: Questioning the Jurisdiction and Validity of the Present Law of Jurisdiction, Civil Law of Jurisdiction in India, Cause of Action, Jurisdiction and the Information Technology Act, 2000, Foreign Judgements in India, Place of Cause of	6	Programming UI elements AppBar, Fragments, UI Components
15th-20th 2021feb		Action in Contractual and IPR Disputes, Exclusion Clauses in Contracts, Abuse of Exclusion Clauses, Objection of Lack of Jurisdiction, Misuse of the Law of Jurisdiction, Legal Principles on Jurisdiction in the United State of America, Jurisdiction Disputes w.r.t. the Internet in the United State of America.	6	Programming menus, dialog, dialog fragments
22nd-27th feb 2021	Unit III	Battling Cyber Squatters and Copyright Protection in the Cyber World: Concept of Domain Name and Reply to Cyber Squatters, Meta-Tagging, Legislative and Other Innovative Moves Against Cyber Squatting, The Battle Between Freedom and Control on the Internet, Works in Which	6	Programs on Intents, Events, Listeners and Adapters The Android Intent Class,
1st-6thmarch 2021	Unit III	Copyright Subsists and meaning of Copyright, Copyright Ownership and Assignment, License of Copyright, Copyright Terms and Respect for Foreign Works, Copyright Infringement, Remedies and Offences, Copyright Protection of Content on the	6	Programs on Services, notification and broadcast receivers

8th-13th march 2021		Internet; Copyright Notice, Disclaimer and Acknowledgement, Downloading for Viewing Content on the Internet, Hyper-Linking and Framing, Liability of ISPs for Copyright Violation in the Cyber World: Legal Developments in the US, Napster and its Cousins: A Revolution on the Internet but a Crisis for Copyright Owners, Computer Software Piracy.	6	Database Programming with SQLite
15th-20th march 2021		E-Commerce Taxation: Real Problems in the Virtual World: A Tug of War on the Concept of „Permanent Establishment“, Finding the PE in Cross Border E-Commerce, The United Nations Model Tax Treaty, The Law of Double	6	Programming threads, handles and asynchronous programs
22nd-27th march 2021		Taxation Avoidance Agreements and Taxable Jurisdiction Over Non-Residents, Under the Income Tax Act, 1961, Tax Agents of Non-Residents under the Income Tax Act,1961 and the Relevance to E-Commerce, Source versus Residence and Classification between Business Income and Royalty, The Impact of the Internet on Customer Duties, Taxation Policies in India: At a Glance.	6	Programming Media API and Telephone API
29th march-3rd april 2021		Digital Signature, Certifying Authorities and E-Governance: Digital Signatures, Digital Signature Certificate, Certifying Authorities and Liability in the Event of Digital Signature Compromise, E-Governance in India: A Warning to Babudom	6	Programming Security and permissions
5th-10th April 2021		The Indian Evidence Act of 1872 v. Information Technology Act, 2000: Status of Electronic Records as Evidence, Proof and Management of Electronic Records; Relevancy, Admissibility and Probative Value of E-Evidence, Proving Digital Signatures, Proof of Electronic Agreements, Proving Electronic Messages, Other Amendments in the Indian Evidence Act by the IT Act, Amendments	6	Programming Network Communications and Services (JSON)

	Unit V	to the Bankers Books Evidence Act, 1891 and Reserve Bank of India 12 53 Act, 1934. 0		
12th-17th April 2021		Protection of Cyber Consumers in India: Are Cyber Consumers Covered Under the Consumer Protection Act? Goods and Services, Consumer Complaint, Defect in Goods and Deficiency in Services,	6	Programming Security and permissions
19th-24th April 2021		Restrictive and Unfair Trade Practices, Instances of Unfair Trade Practices, Reliefs Under CPA, Beware Consumers, Consumer Foras, Jurisdiction and Implications on cyber Consumers in India,	6	
26th-30th April 2021		Applicability of CPA to Manufacturers, Distributors, Retailers and Service Providers Based in Foreign Lands Whose Goods are Sold or Services Provided to a Consumer in India. Amendments in Indian IT Act 200	6	

SEM III

NAME OF THE FACULTY: NAGARAJ ARABHAVI

CLASS:SYBFM

SUBJECT:DEBT MARKET - 1

Sr. No.	Modules / Units	No of lec
1	Introduction to the debt markets	15
	<ul style="list-style-type: none">• Evolution of Debt Markets in India• Primary market & secondary market• Money market & Debt Market in India• Fundamental features of debt instruments• Regulatory framework in the Indian debt market	•
2	Instruments & players in debt markets	15
	<ul style="list-style-type: none">• central government securities: bonds, t-bills, state government bonds,• Open market operations• Securities Trading Corporation of India• Primary dealers in Government Securities• Clearing Corporation of India	•
3	Bonds	15
	<ul style="list-style-type: none">• Features of bonds• Types of bonds• Issuers of bonds• Bond ratings- importance & relevance and rating agencies.	•
4	Valuation of bonds	15
	<ul style="list-style-type: none">• Determinants of the value of bonds• Bond Mathematics• Yield Curve Analysis	•

SUBJECT: Debt Markets -II

NAME: NAGARAJ ARABHAVI

CLASS : SYBFM

SEM :IV

Modules at a Glance

Sr. No.	Modules / Units	No of lec
1	Basic Concepts of Fixed Income Securities	15
	a) Features of Fixed Income Securities b) Risk and Return Analysis in Fixed Income Securities c) Type of Fixed Income Securities including hybrid instruments	
2	Pricing of Fixed Income Securities	15
	a) Valuation of fixed income securities including embedded option b) Duration and Convexity i. Duration ii. Convexity including modified and Maculay Duration c) Price value of basis points (PVBP) d) Spot Rate e) Forward rate f) Bootstrapping	
3	Tracking Fixed Income Markets	15
	a) Tracking bond markets b) The bond traders arsenal of economic indicators i. Inflation ii. Monetary policy iii. Government deficits iv. Currency valuation c) The subprime crisis and the role of debt markets in the crisis – Then and now	
4	Portfolio Management- Fixed Income	15

	<p>a) Fixed Income Portfolio Management- Domestic and International</p> <p>b) Bond portfolio management strategies</p> <ul style="list-style-type: none">i. What is a bond portfolio strategyii. Types of bond management strategyiii. Active, passive, neutral strategy	
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SESSION PLAN SEM III(2020-2021)**SUB: DATA STRUCTURE****Class –S.Y. Bsc. IT****Ms. Shivangi Saxena**

Week	Unit	Topics	No Of Lectures	Other
3 rd August 8 th August 2020	Unit-I	Introduction: Data and Information, Data Structure, Classification of Data Structures, Primitive Data Types, Abstract Data Types, Data structure vs. File Organization, Operations on Data Structure, Algorithm, Importance of Algorithm Analysis, Complexity of an Algorithm, Asymptotic Analysis and Notations, Big O Notation, Big Omega Notation, Big Theta Notation, Rate of Growth and Big O Notation.	4	2 practicals
10 th -15 th august 2020		Array: Introduction, One Dimensional Array, Memory Representation of One Dimensional Array, Traversing, Insertion, Deletion, Searching, Sorting, Merging of Arrays, Multidimensional Arrays, Memory	4	2 practicals
17 th -22 nd august 2020		Representation of Two Dimensional Arrays, General MultiDimensional Arrays, Sparse Arrays, Sparse Matrix, Memory Representation of Special kind of Matrices, Advantages and Limitations of Arrays.	4	2 practicals
24 th -29 th august 2020	Unit-II	Linked List: Linked List, One-way Linked List, Traversal of Linked List, Searching, Memory Allocation and De-allocation, Insertion in Linked List, Deletion from Linked List, Copying a List into Other List, Merging Two Linked Lists, Splitting a List into Two Lists, Reversing One way linked List, Circular Linked List, Applications of Circular Linked List,	4	2 practicals
31 st aug-5 th September 2020		Two way Linked List, Traversing a Two way Linked List, Searching in a Two way linked List, Insertion of an element in Two way Linked List, Deleting a node from	4	2 practicals
7 th -12 th September 2020		Two way Linked List, Header Linked List, Applications of the Linked list, Representation of Polynomials, Storage of Sparse Arrays, Implementing other Data Structures.	4	2 practicals

14 th -19 th September 2020	Unit-III	Stack: Introduction, Operations on the Stack Memory Representation of Stack, Array Representation of Stack, Applications of Stack, Evaluation of Arithmetic Expression, Matching Parenthesis, infix and postfix operations, Recursion.	4	2 practicals
21 st -26 th September 2020		Queue: Introduction, Queue, Operations on the Queue, Memory Representation of Queue, Array representation of queue, Linked List Representation of Queue,	4	2 practicals
28 th September -3 rd oct 2020		Circular Queue, Some special kinds of queues, Deque, Priority Queue, Application of Priority Queue, Applications of Queues.	4	2 practicals
5 th oct-10 th oct 2020	Unit-IV	Sorting and Searching Techniques Bubble, Selection, Insertion, Merge Sort. Searching: Sequential, Binary, Indexed Sequential Searches, Binary Search.	4	2 practicals
12 th oct- 17 th oct 2020		Tree: Tree, Binary Tree, Properties of Binary Tree, Memory Representation of Binary Tree, Operations Performed on Binary Tree, Reconstruction of Binary	4	2 practicals
19 th oct- 24 th oct 2020		Tree from its Traversals, Huffman Algorithm, Binary Search Tree, Operations on Binary Search Tree, Heap, Memory Representation of Heap, Operation on Heap, Heap Sort.	4	2 practicals
26 th oct- 31 st oct 2020		Advanced Tree Structures: Red Black Tree, Operations Performed on Red Black Tree, AVL Tree, Operations performed on AVL Tree, 2- 3 Tree, B-Tree.	4	2 PRACTICALS
2 nd nov-7 th nov 2020	Unit-V	Hashing Techniques Hash function, Address calculation techniques, Common hashing functions Collision resolution, Linear probing, Quadratic, Double hashing, Bucket hashing, Deletion and rehashing	4	2 practicals
9 th nov- 14 th nov 2020		Graph: Introduction, Graph, Graph Terminology, Memory Representation of Graph, Adjacency Matrix Representation of Graph, Adjacency List	4	2 practicals
16 th nov- 21 st nov 2020		Linked Representation of Graph, Operations Performed on Graph,	4	2 practicals
23 rd nov- 28 th nov 2020		Graph Traversal, Applications of the Graph, Reachability, Shortest Path Problems, Spanning Trees.	4	2 practicals

SESSION PLAN SEM V(2020-2021)**SUB: ENTERPRISE JAVA****Class –T.Y. Bsc. IT****Ms. Shivangi Saxena**

Week	Unit	Topics	No Of Lectures	Other
3 rd August 8 th August 2020	Unit-I	Understanding Java EE: What is an Enterprise Application? What is java enterprise edition? Java EE Technologies, Java EE evolution, Glassfish server Java EE Architecture, Server and Containers: Types of System Architecture, Java EE Server, Java EE Containers.	4	2 practicals
10 th -15 th august 2020		Introduction to Java Servlets: The Need for Dynamic Content, Java Servlet Technology, Why Servlets? What can Servlets do? Servlet API and Lifecycle: Java Servlet API, The Servlet Skeleton, The Servlet Life Cycle, A Simple Welcome Servlet	4	2 practicals
17 th -22 nd august 2020		Working With Servlets: Getting Started, Using Annotations Instead of Deployment Descriptor. Working with Databases: What Is JDBC? JDBC Architecture, Accessing Database, The Servlet GUI and Database Example.	4	2 practicals
24 th -29 th august 2020	Unit-II	Request Dispatcher: Requestdispatcher Interface, Methods of Requestdispatcher, Requestdispatcher Application. COOKIES: Kinds Of Cookies, Where Cookies Are Used? Creating Cookies Using Servlet, Dynamically Changing The Colors Of A Page	4	2 practicals
31 st aug-5 th September 2020		SESSION: What Are Sessions? Lifecycle Of Http Session, Session Tracking With Servlet API, A Servlet Session Example Working With Files: Uploading Files, Creating an Upload File Application, Downloading Files, Creating a Download File Application.	4	2 practicals

		https://www.tutorialspoint.com/java/java_files_io.htm		
7 th -12 th September 2020		Working With Non-Blocking I/O: Creating a Non-Blocking Read Application, Creating The Web Application, Creating Java Class, Creating Servlets, Retrieving The File, Creating index.jsp	4	2 practicals
14 th -19 th September 2020	Unit-III	Introduction To Java Server Pages: Why use Java Server Pages? Disadvantages Of JSP, JSP v/s Servlets, Life Cycle of a JSP Page, How does a JSP function? How does JSP execute? About Java Server Pages	4	2 practicals
21 st -26 th September 2020		Getting Started With Java Server Pages: Comments, JSP Document, JSP Elements, JSP GUI Example. Action Elements: Including other Files, Forwarding JSP Page to Another Page, Passing Parameters for other Actions, Loading a Javabean.	4	2 practicals
28 th September -3 rd oct 2020		Implicit Objects, Scope And El Expressions: Implicit Objects, Character Quoting Conventions, Unified Expression Language [Unified El], Expression Language. 's Shortcomings? Disadvantages Of JS Java Server Pages Standard Tag Libraries: What is wrong in using JSP Scriptlet Tags? How JSTL Fixes JSP ScriptletTL, Tag Libraries.	4	2 practicals
5 th oct-10 th oct 2020		Unit-IV	Introduction To Enterprise Javabeans: Enterprise Bean Architecture, Benefits of Enterprise Bean, Types of Enterprise Bean, Accessing Enterprise Beans, Enterprise Bean Application, Packaging Enterprise Beans	4
12 th oct- 17 th oct 2020	Working With Session Beans: When to use Session Beans? Types of Session Beans, Remote and Local Interfaces, Accessing Interfaces, Lifecycle of Enterprise Beans, Packaging Enterprise Beans, Example of Stateful Session Bean, Example of Stateless Session Bean, Example of Singleton Session Beans.		4	2 practicals
19 th oct- 24 th oct 2020	Working with Message Driven Beans: Lifecycle of a Message Driven Bean, Uses of Message Driven Beans, The Message Driven Beans Example.		4	2 practicals
26 th oct- 31 st oct 2020	Interceptors: Request And Interceptor, Defining An Interceptor, AroundInvoke Method, Applying Interceptor, Adding An Interceptor To An Enterprise Bean, Build and Run the Web Application.		4	2 PRACTICALS

2 nd nov-7 th nov 2020		Java Naming and Directory Interface: What is Naming Service? What is Directory Service? What is Java Naming and Directory interface? Basic Lookup, JNDI Namespace in Java EE, Resources and JNDI, Datasource Resource Definition in Java EE.		
9 th nov- 14 th nov 2020	Unit-V	Persistence, Object/Relational Mapping And JPA: What is Persistence? Persistence in Java, Current Persistence Standards in Java, Why another Persistence Standards? Object/Relational Mapping,	4	2 practicals
16 th nov- 21 st nov 2020		Introduction to Java Persistence API: The Java Persistence API, JPA, ORM, Database and the Application, Architecture of JPA, How JPA Works? JPA Specifications.	4	2 practicals
23 rd nov- 28 th nov 2020		Writing JPA Application: Application Requirement Specifications, Software Requirements, The Application Development Approach, Creating Database And Tables in Mysql, Creating a Web Application, Adding the Required Library Files, Creating a Javabeen Class, Creating Persistence Unit [Persistence.Xml], Creating JSPS, The JPA Application Structure, Running The JPA Application.	4	2 practicals
30 TH NOV - 5 th Dec. 2020		Introduction to Hibernate: What is Hibernate? Why Hibernate? Hibernate, Database and The Application, Components of Hibernate, Architecture of Hibernate, How Hibernate Works?	4	2 practicals
7 th Dec - 12 th Dec 2020		Writing Hibernate Application: Application Requirement Specifications, Software Requirements, The Application Development Approach, Creating Database and Tables in Mysql, Creating a Web Application, Adding The Required Library Files, Creating a Javabeen Class, Creating Hibernate Configuration File, Adding a Mapping Class, Creating JSPS, Running The Hibernate Application.	4	2 practicals

Name of the faculty: NagarajArabhavi

CLASS :SYBFM

SUBJECT:Equity Markets -I

Sr. No.	Modules / Units	Lec
1	Equity Markets- Introduction	15
	<ul style="list-style-type: none">• Meaning and Definition of equity shares• Growth of Corporate Sector and the simultaneous growth in the number of equity shareholders• Separation of ownership and management in companies• Development of equity culture in India- Current position	•
2	Primary Market	15
	<ul style="list-style-type: none">• IPO - Methods followed, Book Building, Offer for sale• Role of Merchant bankers in fixing the price• Red – Herring Prospectus – it’s unique features• ASBA and its features• Green Shoe option• Sweat equity, ESOP• Rights issue of shares, Non voting shares ,ADR, GDR,IDR	•
3	Secondary Market	15
	<ul style="list-style-type: none">• Definition and functions of stock Exchanges• Evolution and Growth of Stock Exchanges in India• NSE, BSE, SME Exchanges and Overseas Stock Exchanges• Recent Development in Stock Exchanges, Merger of SEBI with FOMC•Stock Market Indices	•
4	Importance of Equity Markets in developing country like India	15
	<ul style="list-style-type: none">• Need for attracting more investors towards equity• Need for strengthening secondary markets• Link between Primary Market and Secondary Market	•

SUBJECT: Equity Markets-II
NAME: NAGARAJ ARABHAVI

CLASS : SYBFM

SEM :IV

Sr. No.	Modules / Units	No of lec
1	Developments in the Indian Equity Market	15
	i. Domestic savings & investments ii. Disinvestments, FDI & Foreign Portfolio Investment (FPI) iii. Role of Retail Investors iv. Share Price & Share Price Volatility v. Role of SEBI	
2	Valuation of Equities	15
	i. Factors affecting Share Prices ii. Balance sheet valuation iii. Dividend discount model (zero growth, constant growth & multiple growth) iv. Price earning model v. Fundamental Analysis- Economy, Industry and Company Model vi. Macro Economic factors vii. Market related factors	
3	Statistical Analysis of Share price movement	15
	i. Efficient Market Hypothesis ii. Stochastic Models iii. Brownian Motion iv. BETA	
4	Dealings in Stock Exchanges	15
	i. Role of Brokers ii. Stock Market Quotations iii. Procedure for buying & selling iv. BOLT - On Lin v. Trading/ NEAT System vi. Clearing & Settlement vii. Order Matching	

RAMANAND ARYA D.A.V. COLLEGE
SELF – FINANCING COURSES
TEACHING PLAN 2020-21

Name of the faculty: **Swati K Sheyte**

Name of the Course and semester: **FYBMS Sem I**

Subject: **Foundation Course - I**

Month	Portion to be completed	No. of lectures
September	Overview of Indian Society Understand the multi-cultural diversity of Indian society through its demographic composition: population distribution according to religion, caste, and gender	6
October	Appreciate the concept of linguistic diversity in relation to the Indian situation; Understand regional variations according to rural, urban and tribal characteristics; Understanding the concept of diversity as difference Concept of Disparity- 1 Understand the concept of disparity as arising out of stratification and inequality; Explore the disparities arising out of gender with special reference to violence against women, female foeticide (declining sex ratio), and portrayal of women in media; Appreciate the inequalities faced by people with disabilities and understand the issues of people with physical and mental disabilities	16
November	Concept of Disparity-2 Examine inequalities manifested due to the caste system and inter-group conflicts arising thereof; Understand inter-group conflicts arising out of communalism; Examine the causes and effects of conflicts arising out of regionalism and linguistic differences The Indian Constitution Philosophy of the Constitution as set out in the Preamble; The structure of the Constitution-the Preamble, Main Body and Schedules; Fundamental	13
December	Duties of the Indian Citizen; tolerance, peace and communal harmony as crucial values in strengthening the social fabric of Indian society; Basic features of the Constitution Significant Aspects of Political Processes The party system in Indian politics; Local self-government in urban and rural areas; the 73rd and 74th Amendments and their implications for inclusive politics; Role and significance of women in politics	12
	Total	48

Name of the teacher: Swati K Shetye

Signature:

Co-ordinator

Principal

RAMANAND ARYA D.A.V. COLLEGE
SELF – FINANCING COURSES
TEACHING PLAN 2020-21

Name of the faculty: **Swati K Sheyte**

Name of the Course and semester: **SYBMS SEM III**

Subject: **Environmental Management (Foundation course)**

Month	Portion to be completed	No. of lectures
September	Environmental Concepts Environment : Definition and composition, Lithosphere, Atmosphere, Hydrosphere, Biosphere Biogeochemical cycles - Concept and Water Cycle Ecosystem & Ecology; Food Chain, Food Web & Energy Flow Pyramid Resources: Meaning, Classification (Renewable & non-renewable), Types & Exploitation of Natural Resources in Sustainable Manner	11
October	Environment Degradation Degradation - Meaning and Causes, Degradation of Land, Forest and Agricultural Land and its remedies Pollution – meaning, types, causes and remedies (land, air, water and others) Global Warming : Meaning, Causes and Effects Disaster Management : Meaning, Disaster Management Cycle Waste Management : Definition and Types - Solid waste management anthropogenic waste, e-waste & biomedical waste (consumerism as a cause of waste)	12
November	Sustainability and Role of Business Sustainability : Definition, Importance and Environment Conservation Environmental Clearance for establishing and operating Industries in India EIA, Environmental Auditing, ISO 14001 Salient Features of Water Act, Air Act and Wildlife Protection Act Carbon Bank & Kyoto Protocol	11
December	Innovations in Business - An Environmental Perspective Non-Conventional Energy Sources - Wind, Bio-fuel, Solar, Tidal and Nuclear Energy. Innovative Business Models: Eco-tourism, Green marketing, Organic farming, Eco-friendly packaging, Waste management projects for profits, other business projects for greener future	11
	Total	45

Name of the teacher: Swati K Shetye

Signature:

Co-ordinator

Principal

RAMANAND ARYA D.A.V. COLLEGE
SELF – FINANCING COURSES
TEACHING PLAN 2020-21

Name of the faculty: **Swati K Sheyte**

Name of the Course and semester: **TYBMS Sem V**

Subject: **Finance for HR Professionals and Compensation Management**

Month	Portion to be completed	No. of lectures
September	<p>Compensation Plans and HR Professionals</p> <ul style="list-style-type: none"> • Meaning, Objectives of Compensation Plans, Role of HR Professionals in Compensation Plans, Types of Compensation: Financial and non-financial, Factors Influencing Compensation • Compensation Tools: Job based and Skill based Models: Distributive Justice Model and Labour Market Model, Dimensions of Compensation • 3 Ps Compensation Concept, Benefits of Compensation: Personal, Health and Safety, Welfare, Social Security • Pay Structure: Meaning, Features, Factors, Designing the Compensation System, Compensation Scenario in India. 	16
October	<p>Incentives and Wages</p> <ul style="list-style-type: none"> • Incentive Plans – Meaning and Types: Piecework, Team, Incentives for Managers and Executives, Salespeople, Merit pay, Scanlon Pay, Profit Sharing Plan, ESOP, Gain Sharing, Earning at Risk plan, Technology and Incentives. Prerequisites of an Effective Incentive System Wage Differentials: Concepts, Factors contributing to Wage Differentials, Types of Wage Differentials, Importance of Wage Differentials, Elements of a Good Wage Plan. • Theories of Wages: Subsistence Theory, Wage Fund Theory, Marginal Productivity Theory, Residual Claimant Theory, Bargaining Theory. 	15
November	<p>Compensation to Special Groups and Recent Trends</p> <ul style="list-style-type: none"> • Compensation for Special Groups: Team Based pay, Remunerating Professionals, Contract Employees, Corporate Directors, CEOs, Expatriates and Executives. • Human Resource Accounting – Meaning, Features, Objectives and Methods • Recent Trends: Golden Parachutes, e-Compensation, Salary Progression Curve Competency and Skill based, Broad banding and New Pay, Cafeteria approach – Features, Advantages and Disadvantages. 	16

December	Legal and Ethical issues in Compensation <ul style="list-style-type: none"> • Legal Framework of Compensation in India: Wage Policy in India, Payment of Bonus Act 1965, Equal Remuneration Act 1976, Payment of Wages Act 1936, Payment of Gratuity Act 1972, Employee Compensation Act 1923, Employees Provident Funds and Miscellaneous Provision Act 1952. • Pay Commissions, Wage Boards, Adjudication, Legal considerations, COBRA requirement Pay Restructuring in Mergers and Acquisitions Current Issues and Challenges in Compensation Management, Ethics in Compensation Management.	13
	Total	60

Name of the teacher: Swati K Shetye

Signature:

Co-ordinator

Principal

SEM I

Class: FYBAF

Subject: Financial Accounting -Elements of Financial Accounting-I

Modules at a Glance

Sr. No.	Modules / Units	No of lec
1	Accounting Standards Issued by ICAI and Inventory Valuation	15
	<ul style="list-style-type: none">• Accounting Standards: Concepts, Benefits, Procedures for Issue of Accounting Standards Various AS: AS – 1: Disclosure of Accounting Policies (a) Purpose (b) Areas of Policies (c) Disclosure of Policies (d) Disclosure of Change in Policies (e) Illustrations AS – 2: Valuation of Inventories (Stock) (a) Meaning, Definition (b) Applicability (c) Measurement of Inventory (d) Disclosure in Final Account (e) Explanation with Illustrations AS – 9: Revenue Recognition (a) Meaning and Scope (b) Transactions Excluded (c) Sale of Goods (d) Rendering of Services (e) Effects of Uncertainties (f) Disclosure (g) Illustrations• Inventory Valuation Meaning of Inventories Cost for Inventory Valuation Inventory Systems : Periodic Inventory System and Perpetual Inventory System Valuation: Meaning and Importance Methods of Stock Valuation as per AS – 2: FIFO and Weighted Average Method Computation of Valuation of Inventory as on Balance Sheet Date: If Inventory is taken on a Date After the Balance Sheet or Before the Balance Sheet	•
2	Final Accounts	15
	<ul style="list-style-type: none">• Expenditure a) Capital (b) Revenue Receipts a) Capital (b) Revenue• Adjustments and Closing Entries• Final Accounts of Manufacturing Concerns (Proprietary Firm)	•
3	Departmental Accounts	15

	Meaning Basis of Allocation of Expenses and Incomes / Receipts Inter Departmental Transfer: At Cost Price and Invoice Price Stock Reserve Departmental Trading and Profit and Loss Account and Balance Sheet	
4	Accounting for Hire Purchase	15
	Meaning Calculation of Interest Accounting for Hire Purchase Transactions by Asset Purchase Method Based on Full Cash Price Journal Entries, Ledger Accounts and Disclosure in Balance Sheet for Hirer and Vendor (Excluding Default, Repossession and Calculation of Cash Price)	

Name : NAGARAJ ARABHAVI

SEM : III

Subject : Financial Accounting :III

Class: SYBAF

Month	Module/ Unit	Topic	No. of lectures	
June	I	MODEL1: PARTNERSHIP FINAL ACCOUNTS: <ul style="list-style-type: none">• Introductions• Partnership accounts• Payments to partners• Partnership final accounts• Adjustments• IIIUSTRATIONS• Types of partners and their IIUSTRACTION	12	
July	II	MODEL 2: Piecemeal Distribution of cash <ul style="list-style-type: none">• Introductions• Distribution in stages• Settlement of Liabilities• Methods• IIIUSTRATIONS• Proportions captial methods	15	
Aug-sept	III	MODEL3: AMALGAMATION OF FIRMS: <ul style="list-style-type: none">• Meaning• Accounting procedure – realisationmethodS	09	
Sept –oct	IV	MODEL4:Conversion / sale of a partnership firm into a limited company <ul style="list-style-type: none">• Introduction• Purchase consideration• Entries in the books of firm• Books of company• IIIUSTRATIONS	08	

SUBJECT: Financial Derivatives

NAME:NAGARAJ ARABHAVI

CLASS : T.Y.BFM

SEM :V

Sr. No.	Modules / Units	No of lectures
1	Introduction to Derivatives	15
	<ul style="list-style-type: none">• Definition – Types- Participants and Functions- Development of Exchange traded derivatives- Global derivatives markets- Exchange traded vs OTC derivatives markets- Derivatives trading in India- L.C.Gupta committee- J.C. varma committee- Requirements for a successful derivatives markets	
2	Futures and options- introduction	15
	<ul style="list-style-type: none">• Futures: Introduction- Future terminology- Key features of futures contracts- Future vs. Forwards- Pay off for futures- Equity futures- Equity futures in India-Index futures- Stock futures- Future trading strategiesHedging- Speculation- Arbitrage- Spread trading.• Options: Introduction- Option terminology- Types- Options pay off- Equity options contracts in India-Index Options – Stock options- Options trading strategies- Hedging- Speculation- Arbitrage- Straddle- Strangles- Strips and Straps – Spread trading	
3	Pricing of Future Options	. . 15
	<ul style="list-style-type: none">• The cost of carry models for stock and index futures- cash price and future price, arbitrage opportunity• Factors affecting options pricing- Option pricing models- Binominal pricing model- The black and Scholes model –Pricing of Index options.• Sensitivity of option premia (Delta, Gamma, Lambda, Theta, Rho)	
4	Trading Clearing and Settlement of Options and Futures	15

	<ul style="list-style-type: none">• Futures and Options trading system- Trader workstations- contract specification- specification for stock and index eligibility for trading charges• Clearing entities and their role- clearing mechanism –adjustment for corporate actions- open position calculation• Margining and settlement mechanism- Risk management- SPAN – Mechanics of SPAN- Overall portfolio margin requirements.	
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RAMANAND ARYA D A V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020 – 21
SESSION PLAN

NAME OF CLASS: FYBAF (Sem I)

DATE: 13th June 2020

NAME OF SUBJECT: BUSINESS COMMUNICATION I (Sharing)

Sr. No	Month	Topics	No. Of Lectures
1	July - Aug	Business Correspondance: Theory of Business Letter Writing: Parts, Structure, Layouts—Full Block, Modified Block, Semi - Block Principles of Effective Letter Writing, Principles of effective Email Writing, Personnel Correspondence: Statement of Purpose, Job Application Letter and Resume, Letter of Acceptance of Job Offer, Letter of Resignation	15
2	Aug – Sept	Paragraph Writing: Developing an idea, using appropriate linking devices, etc Cohesion and Coherence, self-editing, etc [Interpretation of technical data, Composition on a given situation, a short informal report etc.]	10
3	Sept	Practice Sessions	5
		TOTAL	30

NAME OF FACULTY: Ms. Smruti Ambre

RAMANAND ARYA D A V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020-2021
LESSON PLAN

SEMESTER ONE

NAME OF CLASS: FYBAF

DATE: 22nd February,2021

NAME OF SUBJECT: BUSINESS COMMUNICATION

Sr. No	Month	Topics	No. Of Lectures
1	September	<p>Unit 1: Theory of Communication</p> <p>1. Concept of Communication – Meaning, Definition, Process, Need, Feedback Emergence of Communication as a key concept in the Corporate and Global world, Impact of technological advancements on Communication</p> <p>2. Channels and Objectives of Communication – Channels-- Formal and Informal—Vertical, Horizontal, Diagonal, Grapevine</p>	7
2	October	<p>Objectives of Communication -- Information, Advice, Order and Instruction, Persuasion, Motivation, Education, Warning, and Boosting the Morale of Employees</p> <p>3. Methods and Modes of Communication – Methods: Verbal and Nonverbal Characteristics of Verbal Communication Characteristics of Non-verbal Communication Business Etiquette</p> <p>Modes: Telephone and SMS Communication Facsimile Communication [Fax] Computers and E-communication Video and Satellite Conferencing</p>	10
3	November	<p>Unit 2: Obstacles to Communication</p> <p>4. Problems in Communication /Barriers to Communication -- Physical/ Semantic/Language /</p>	5

		<p>Socio-Cultural / Psychological / Barriers Ways to Overcome these Barriers</p> <p>5. Listening – Importance of Listening Skills Cultivating good Listening Skills</p>	
4	December	<p>6. Introduction to Business Ethics</p> <p>Concept and Interpretation , Importance of Business Ethics ,Personal Integrity at the workplace , Business Ethics and media , Computer Ethics ,Corporate Social Responsibility</p> <p>Surrogate Advertising , Patents and Intellectual Property Rights , Dumping of Medical/E-waste ,Human Rights Violations and Discrimination on the basis of gender, race, caste, religion, appearance and sexual orientation at the workplace ,Piracy ,Insurance ,Child Labour</p>	8
		TOTAL	30

RAMANAND ARYA D A V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020 – 21
LESSON PLAN

NAME OF CLASS: FYBAF

DATE: 22nd February,2020

NAME OF SUBJECT: BUSINESS COMMUNICATION

Sr. No	Month	Topics	No. Of Lectures
1	JANUARY	<p>Unit 1: Presentation Skills</p> <p>1. Presentations – (to Principles of Effective Presentation Effective use of OHP Effective use of Transparencies How to make a Power-Point Presentation</p> <p>Unit 2: Group Communication</p> <p>1. Interviews – Group Discussion Preparing for an Interview Types of Interviews – Selection, Appraisal, Grievance, Exit</p>	10
2	FEBRUARY	<p>2. Meetings -- Need and Importance of Meetings, Conduct of Meeting and Group Dynamics Role of the Chairperson, Role of the Participants Drafting of Notice, Agenda and Resolutions</p> <p>3. Conference – Meaning and Importance of Conference Organizing a Conference , Modern Methods: Skype and Webinar</p>	15
3	MARCH	<p>4. Public Relations – Meaning Functions of PR Department External and Internal Measures of PR</p>	5
4		TOTAL	30

RAMANAND ARYA D A V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020-2021
LESSON PLAN

SEMESTER ONE

NAME OF CLASS: FYBBI

DATE: 22nd February,2021

NAME OF SUBJECT: BUSINESS COMMUNICATION

Sr. No	Month	Topics	No. Of Lectures
1	September	<p>Unit 1: Theory of Communication</p> <p>1. Concept of Communication – Meaning, Definition, Process, Need, Feedback Emergence of Communication as a key concept in the Corporate and Global world, Impact of technological advancements on Communication</p> <p>2. Channels and Objectives of Communication – Channels-- Formal and Informal—Vertical, Horizontal, Diagonal, Grapevine</p>	13
2	October	<p>Objectives of Communication -- Information, Advice, Order and Instruction, Persuasion, Motivation, Education, Warning, and Boosting the Morale of Employees</p> <p>3. Methods and Modes of Communication – Methods: Verbal and Nonverbal Characteristics of Verbal Communication Characteristics of Non-verbal Communication Business Etiquette</p> <p>Modes: Telephone and SMS Communication Facsimile Communication [Fax] Computers and E-communication Video and Satellite Conferencing</p> <p>Unit 2: Obstacles to Communication</p> <p>4. Problems in Communication /Barriers to Communication -- Physical/ Semantic/Language /</p>	16

		Socio-Cultural / Psychological / Barriers Ways to Overcome these Barriers	
3	November	<p>5. Listening – Importance of Listening Skills Cultivating good Listening Skills</p> <p>6. Introduction to Business Ethics</p> <p>Concept and Interpretation , Importance of Business Ethics ,Personal Integrity at the workplace , Business Ethics and media , Computer Ethics ,Corporate Social Responsibility</p> <p>Surrogate Advertising ,Patents and Intellectual Property Rights , Dumping of Medical/E-waste ,Human Rights Violations and Discrimination on the basis of gender, race, caste, religion, appearance and sexual orientation at the workplace ,Piracy ,Insurance ,Child Labour</p> <p>Unit 3: Business Correspondence</p> <p>1. Theory of Business Letter Writing -- Parts, Structure, Layouts—Full Block, Modified Block, Semi - Block Principles of Effective Letter Writing Principles of effective Email Writing</p>	16
4	December	<p>2. Personnel Correspondence – Statement of Purpose Job Application Letter and Resume Letter of Acceptance of Job Offer, Letter of Resignation</p> <p>Unit 4: Language and Writing Skills</p> <p>Paragraph Writing -- Developing an idea, using appropriate linking devices, etc Cohesion and Coherence, self-editing, etc</p>	15
		TOTAL	60

RAMANAND ARYA D A V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020 – 21
LESSON PLAN

SEMESTER TWO

NAME OF CLASS: FYBBI

DATE: 22nd February,2020

NAME OF SUBJECT: BUSINESS COMMUNICATION

Sr. No	Month	Topics	No. Of Lectures
1	JANUARY	<p>Unit 1: Presentation Skills</p> <p>1. Presentations – (to Principles of Effective Presentation Effective use of OHP Effective use of Transparencies How to make a Power-Point Presentation</p> <p>Unit 2: Group Communication</p> <p>1. Interviews – Group Discussion Preparing for an Interview Types of Interviews – Selection, Appraisal, Grievance, Exit</p>	22
2	FEBRUARY	<p>2. Meetings -- Need and Importance of Meetings, Conduct of Meeting and Group Dynamics Role of the Chairperson, Role of the Participants Drafting of Notice, Agenda and Resolutions</p> <p>3. Conference – Meaning and Importance of Conference Organizing a Conference , Modern Methods: Skype and Webinar</p> <p>4. Public Relations – Meaning Functions of PR Department External and Internal Measures of PR</p>	22
3	MARCH	<p>Unit 3: Business Correspondence</p> <p>Trade Letters –</p> <p>Letters of Inquiry, Letters of Complaints, Claims, Adjustments Sales Letters, promotional leaflets and fliers Consumer Grievance Letters ,Letters under Right to Information (RTI) Act</p>	16

		<p>Unit 4: Language and Writing Skills</p> <p>1. Reports – Parts, Types Feasibility Reports, Investigative Reports</p> <p>2. Summarisation -- Identification of main and supporting/sub points Presenting these in a cohesive manner</p>	
5		TOTAL	60

**RAMANAND ARYA D.A.V. COLLEGE
COMMERCE, REGULAR
ACADEMIC YEAR 2020 – 21
LESSON PLAN**

SEMESTER ONE

NAME OF CLASS: FYBCOM

DATE: 22nd February,2020

NAME OF SUBJECT: BUSINESS COMMUNICATION

Sr. No	Month	Topics	No. Of Lectures
1	September	Unit-I.Theory of Communication 1.Concept of Communication Models of communication, Meaning, Definition, Process, Need, Feedback / Emergence of Communication as a key concept in the Corporate and Global world. 2.Impact of technology enables communication Types, advantages and disadvantage of Internet, Blog, E-mail, Moodle, Social media	17
2	October	3.Communication at work place Channels and methods, formal and informal communication, verbal and non-verbal communication 4.Business Ethics Importance of Business Ethics Personal integrity at the workplace Computer Ethics Corporate social responsibility	17
3	November	5.Problems in communication Physical, Psychological, Socio-cultural, Semantic, ways to overcome 6.Listening	8

		<p>Importance, Obstacles, Cultivating good listening</p> <p>Unit-II : Business Correspondence</p> <p>1.Theory of Business Letter Writing</p> <p>Parts, Structure, Layouts—Full Block</p> <p>Semi – Block</p> <p>Principles of Effective Letter Writing (7 C's)</p> <p>Principles of effective Email Writing in detail.</p> <p>Email Etiquette</p>	
	December	<p>Personnel Correspondence</p> <p>AIDA technique, persuasive strategy.</p> <p>Statement of Purpose</p> <p>Job Application Letter and Resume</p> <p>Letter of Acceptance of Job Offer</p> <p>Letter of Resignation</p> <p>Letter of Appointment,</p> <p>Letter of Recommendation</p> <p>Letter of Appreciation</p> <p>Unit III : Language and Writing Skills</p> <p>Few Commercial Terms used in Business Communication</p> <p>Fundamentals of Legal drafting</p> <p>Commercial Terms</p> <p>Paragraph Writing : Developing an idea, using appropriate linking devices/ Cohesion and Coherence</p>	8

4		TOTAL	50
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RAMANAND ARYA D.A.V. COLLEGE
COMMERCE, REGULAR
ACADEMIC YEAR 2020 – 21
LESSON PLAN

SEMESTER TWO

NAME OF CLASS: FYBCOM

DATE: 22nd February,2020

NAME OF SUBJECT: BUSINESS COMMUNICATION

Sr. No	Month	Topics	No. Of Lectures
1	January	<p>Unit 1: Group Communication</p> <p>1. Interviews – Group Discussion Preparing for an Interview Types of Interviews – Selection, Appraisal, Grievance, Exit</p> <p>2. Meetings -- Need and Importance of Meetings, Conduct of Meeting and Group Dynamics Role of the Chairperson, Role of the Participants Drafting of Notice, Agenda and Resolutions</p>	18
2	February	<p>3. Conference – Meaning and Importance of Conference Organizing a Conference , Modern Methods: Skype and Webinar</p> <p>4. Public Relations – Meaning Functions of PR Department External and Internal Measures of PR</p>	18
3	March	<p>Unit 2: Business Correspondence</p> <p>Trade Letters –</p> <p>Letters of Inquiry, Letters of Complaints, Claims, Adjustments Sales Letters, promotional leaflets and fliers Consumer Grievance Letters ,Letters under Right to Information (RTI) Act</p> <p>Unit 3: Language and Writing Skills</p> <p>1. Reports – Parts, Types Feasibility Reports, Investigative Reports</p> <p>2. Summarisation -- Identification of main and supporting/sub points Presenting these in a cohesive manner</p>	14

4		TOTAL	50
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Teaching Plan of Faculty

Name : Shruti Gokhale

Year : 2020-2021

Class : FYBFM (Sem II)

Subject: Computer Skills I

Month	Module No.	Name of Topic	No. Of lectures	Book for reference	Teaching Method
Dec	1	Computer Hardware Personal Computers- identification/demonstration of different storage Devices like CD and CD drive, hard disk- HDD, storing and retrieving data from various storage devices, identification of various input and output devices. Primary memory, RAM and ROM- Processor- CPU, it's speed- machine cycle, ports, computer buses, Different types of printers. Introduction to trouble shooting of personal computers. scheduling appointments, reminders, events 4 Word – 2013	7	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion
		2 Windows Introduction, features, various versions of windows, My computer, my documents, recycle bin, network neighbourhood, start menu, taskbar, file and folder operation (creating, copying, moving, deleting), system tools, creating shortcuts, 3 Internet What is internet, most popular internet services , functions of internet like email, WW, FTP, usenet, Instant messaging, internet telephony, using address book, working with task list,	8	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation

Jan	2	Getting started, The Word window, New documents, Document navigation, Editing text, Working with text, Undo and Redo commands, Cut, copy, and paste, Find and replace Text formatting, Character formatting, Tab settings, Paragraph formatting, Paragraph spacing and indents Tables, Creating tables, Working with table content	5	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion
Feb.	3 -4	, Changing the table structure Page layout, Headers and footers, Page setup Graphics, Adding graphics and clip art, Working with graphics Proofing, printing, and exporting, Spelling and grammar, AutoCorrect, Printing and exporting documents	12	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion
			3	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
Feb-March	4 -5	5 Excel- 2013 Fundamentals of Excel, Cut, Copy, Insert, Delete, Paste Special, Custom Formatting , Undo, Redo, Excel Formulas – Basic, Useful functions and Paste Function, Calc, Comments, Drawing toolbar, Edit, Replace, Delete, Clear, Essential Printing	8	, Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
		, Data Sorting, Hiding, AutoFormats, Protection, Basic Charts, Basic Formatting, If Function Board of Studies-in-Accountancy	7	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
		Total no. of lectures	60		

LECTURER

CO-ORDINATOR

RAMANAND ARYA D A V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020 – 21
SESSION PLAN

NAME OF CLASS: FYBMS

DATE: 13th JUNE 2020

NAME OF SUBJECT: Foundation of Human Skills

Sr. No	Month	Topics	No. Of Lectures
1	June – July	Understanding of Human Nature • Individual Behaviour: Concept of a man, individual differences, factors affecting individual differences, Influence of environment • Personality and attitude: Determinants of personality, Personality traits theory, Big five model, Personality traits important for organizational behaviour like authoritarianism, locus of control, Machiavellianism, introversion-extroversion achievement orientation, self – esteem, risk taking, self-monitoring and type A and B personalities, Concept of understanding self through JOHARI WINDOWS, Nature and components of attitude, Functions of attitude, Ways of changing attitude, Reading emotions • Thinking, learning and perceptions: Thinking skills, thinking styles and thinking hat, Managerial skills and development, Learning characteristics, theories of learning (classical conditioning, operant conditioning and social learning approaches), Intelligence, type (IQ, EQ, SQ, at work place), Perception features and factor influencing individual perception, Effects of perceptual error in managerial decision making at work place. (Errors such as Halo effect, stereotyping, prejudice attributional).	10
2	July – Aug	Introduction to Group Behaviour Group Dynamics: Nature, types, group behaviour model (roles, norms, status, process, structures) Team effectiveness: nature, types of teams, ways of forming an effective team. Setting goals. • Organizational processes and system. Power and politics: nature, bases of power, politics nature, types, causes of organizational politics, political games. Organizational conflicts and resolution: Conflict features, types, causes leading to organizational conflicts, levels of conflicts, ways to resolve conflicts through five conflicts resolution strategies with outcomes.	10
3	Aug – Sept	Organizational Culture: Characteristics of organizational culture. • Types, functions and barriers of organizational culture • Ways of creating and maintaining effective organization culture •	15

		Motivation at workplace: Concept of motivation Theories of motivation in an organisational set up. A.Maslow Need Heirachy♣ F.Hertzberg Dual Factor♣ Mc.Gregor theory X and theory Y.♣ Ways of motivating through carrot (positive reinforcement) and stick (negative reinforcement) at workplace.	
4	Sept - Oct	Organisational change and creativity: Concepts of organisational change, Factors leading/influencing organisational change, Kurt Lewins model of organisational change and development, Creativity and qualities of a creative person, Ways of enhancing creativity for effective decision making, Creative problem solving. • Organisational Development and work stress: Need for organisational development, OD Techniques, Stress, types of stress, Causes and consequences of job stress, Ways for coping up with job stress	25
		TOTAL	60

NAME OF FACULTY: Ms. Smruti Ambre

SESSION PLAN FYBSC IT SEM I 2020

SUB: DIGITAL ELECTRONICS

MRS SWATI A KEMKAR

CLASS FY BSCITSEM I

DATE	TOPIC	NO OF LECTURES	REMARKS
September 2020 Week 3	Analog System, digital system, numbering system, binary number system, octal number system, hexadecimal number system, conversion from one number system to another	4	
Week 4	floating point numbers, weighted codes binary coded decimal, non-weighted codes Excess – 3 code, Gray code, Alphanumeric codes – ASCII Code, EBCDIC, ISCII Code, Hollerith Code, Morse Code, Teletypewriter (TTY), Error detection and correction, Universal Product Code, Code conversion	4	
	Binary Arithmetic: Binary addition, Binary subtraction, Negative number representation, Subtraction using 1's complement and 2's complement, Binary multiplication and division, Arithmetic in octal number system, Arithmetic in hexadecimal number system, BCD and Excess – 3 arithmetic.	4	
October 2020 Week 1	Introduction, Logic (AND OR NOT), Boolean theorems, Boolean Laws, De Morgan's Theorem, Perfect Induction, Reduction of Logic expression using Boolean Algebra, Deriving Boolean expression from given circuit, exclusive OR and Exclusive NOR gates, Universal Logic gates, Implementation of other gates using universal gates, Input bubbled logic, Assertion level	4	Practicals based on logic gates
Week 2			
Week 3	Introduction, Logic (AND OR NOT), Boolean theorems, Boolean Laws, De Morgan's Theorem, Perfect Induction, Reduction of Logic expression using Boolean Algebra, Deriving Boolean expression from given circuit, exclusive OR and Exclusive NOR gates, Universal Logic gates, Implementation of other gates using universal gates, Input bubbled logic, Assertion level	4	Practical based on design of logic circuit
Week 4	Minterm, Maxterm and Karnaugh Maps: Introduction, minterms and sum of minterm form, maxterm and Product of maxterm form,	4	

	Reduction technique using Karnaugh maps – 2/3/4/5/6 variable K-maps,		
Nov 2020 Week 1	Grouping of variables in K-maps, K-maps for product of sum form, minimize Boolean expression using K-map and obtain K-map from Boolean expression, Quine Mc Cluskey	4	
Week 2	Combinational Logic Circuits: Introduction, Multi-input, multi-output Combinational circuits, Code converters design and implementations	4	Practical based on design of logic circuit
Week 3	Arithmetic Circuits: Introduction, Adder, BCD Adder, Excess – 3 Adder, Binary Subtractors, BCD Subtractor, Multiplier, Comparator	4	
Week 4	Multiplexer, Demultiplexer, ALU, Encoder and Decoder: Introduction, Multiplexer, Demultiplexer, Decoder, ALU, Encoders	4	
Dec 2020 Week 1	Sequential Circuits: Flip-Flop: Introduction, Terminologies used, S-R flip-flop, D flip-flop, JK flip-flop, Race-around condition, Master – slave JK flip-flop, T flip-flop	4	Practical based on design of sequential circuit
Week 2	conversion from one type of flip-flop to another, Application of flip-flops. Counters: Introduction, Asynchronous counter, Terms related to counters, IC 7493 (4-bit binary counter), Synchronous counter, Bushing, Type T Design, Type JK Design,	4	
Week 3	Shift Register: Introduction, parallel and shift registers, serial shifting, serial-in serial-out, serial-in parallel-out, parallel-in parallel-out, Ring counter, Johnson counter, .	4	
Week 4	Applications of shift registers, Pseudo-random binary sequence generator, IC7495, Seven Segment displays, analysis of shift counters		

SESSION PLAN SEM II - FY BSc IT- 2021

Subject: Microprocessor Architecture

Ms. Swati Kemkar

Date	Unit	Topic	No Of Lectures	Remarks
Jan 2021 Week 1	Unit-I	Microprocessor, microcomputers, and Assembly Language: Microprocessor, Microprocessor Instruction Set and Computer Languages, From Large Computers to Single-Chip Microcontrollers, Applications	4	
Week 2		Microprocessor Architecture and Microcomputer System: Microprocessor Architecture and its operation's, Memory, I/O Devices, Microcomputer System, Logic Devices and Interfacing, Microprocessor-Based System Application	4	
Week 3		8085 Microprocessor Architecture and Memory Interface: Introduction, 8085 Microprocessor unit, 8085-Based Microcomputer, Memory Interfacing, Interfacing the 8155 Memory Segment, Illustrative Example: Designing Memory for the MCTS Project, Testing and Troubleshooting Memory Interfacing Circuit, 8085-Based Single-Board microcomputer.	4	
Week 4				
Feb 2021 Week 1	Unit-II	Interfacing of I/O Devices Basic Interfacing concepts, Interfacing Output Displays, Interfacing Input Devices, Memory Mapped I/O, Testing and Troubleshooting I/O Interfacing Circuits.	4	Tutorial on Unit I
Week 2		Introduction to 8085 Assembly Language Programming: The 8085 Programming Model, Instruction Classification, Instruction, Data and Storage, Writing assembling and Execution of a simple program, Overview of 8085 Instruction Set, Writing and Assembling Program, practicals	4	Revision of precious Topics
Week 3				
Week 4			Introduction to 8085 Instructions: Data Transfer Operations, Arithmetic Operations, Logic Operation, Branch Operation, Writing Assembly Languages Programs, Debugging a Program, practicals	4
March 2021 Week 1	Unit-III	Programming Techniques With Additional Instructions: Programming Techniques: Looping, Counting and Indexing, Additional Data Transfer and 16-Bit Arithmetic Instructions, Arithmetic Instruction Related to Memory, Logic Operations: Rotate, Logics Operations: Compare, Dynamic Debugging, practicals	4	Class Test
Week 2		Counters and Time Delays: Counters and Time Delays, Illustrative Program: Hexadecimal Counter, Illustrative Program: zero-to-nine (Modulo Ten) Counter, Generating Pulse Waveforms, Debugging Counter and Time-Delay Programs,practicals	4	Discussion of Class Test Question Paper
Week 3				
Week 4			Counters and Time Delays: Counters and Time Delays, Illustrative Program: Hexadecimal	4

Date	Unit	Topic	No Of Lectures	Remarks
		Counter, Illustrative Program: zero-to-nine (Modulo Ten) Counter, Generating Pulse Waveforms, Debugging Counter and Time-Delay Programs		
April 2021 Week 1	Unit-IV	Code Conversion, BCD Arithmetic, and 16-Bit Data Operations: BCD-to-Binary Conversion, Binary-to-BCD Conversion, BCD-toSeven-Segment-LED Code Conversion, Binary-to-ASCII and ASCIIto-Binary Code Conversion, BCD Addition, BCD Subtraction, Introduction To Advanced Instructions and Applications, Multiplication, Subtraction With Carry. , Practicals	4	
Week2		Code Conversion, BCD Arithmetic, and 16-Bit Data Operations: BCD-to-Binary Conversion, Binary-to-BCD Conversion, BCD-toSeven-Segment-LED Code Conversion, Binary-to-ASCII and ASCIIto-Binary Code Conversion, BCD Addition, BCD Subtraction, Introduction To Advanced Instructions and Applications, Multiplication, Subtraction With Carry. , practicals	4	
Week 3		Code Conversion, BCD Arithmetic, and 16-Bit Data Operations: BCD-to-Binary Conversion, Binary-to-BCD Conversion, BCD-toSeven-Segment-LED Code Conversion, Binary-to-ASCII and ASCIIto-Binary Code Conversion, BCD Addition, BCD Subtraction, Introduction To Advanced Instructions and Applications, Multiplication, Subtraction With Carry. , practicals	4	
Week 4		Code Conversion, BCD Arithmetic, and 16-Bit Data Operations: BCD-to-Binary Conversion, Binary-to-BCD Conversion, BCD-toSeven-Segment-LED Code Conversion, Binary-to-ASCII and ASCIIto-Binary Code Conversion, BCD Addition, BCD Subtraction, Introduction To Advanced Instructions and Applications, Multiplication, Subtraction With Carry. , practicals	4	
May 2021 Week 1	Unit-V	The Pentium and Pentium Pro microprocessors: Introduction, Special Pentium registers, Memory management, Pentium instructions, Pentium Pro microprocessor, Special Pentium Pro features.	4	
Week 2		Core 2 and later Microprocessors: Introduction, Pentium II software changes, Pentium IV and Core 2, i3, i5 and i7	4	
		SUN SPARC Microprocessor: Architecture, Register file, data types and instruction format	4	
		Microprocessor programming additional programs	4	
		Microprocessor programming additional programs	4	
Week 3	Unit -VI	Code Conversion, BCD Arithmetic, and 16-Bit Data Operations: BCD-to-Binary Conversion, Binary-to-BCD Conversion, BCD-toSeven-Segment-LED Code Conversion, Binary-to-ASCII and ASCIIto-Binary Code Conversion, BCD Addition, BCD Subtraction, Introduction To Advanced Instructions and Applications, Multiplication, Subtraction With Carry programs	4	
		Revision	4	

SESSION PLAN SEM II

Subject :Green Computing 2020-2021

Mrs. Amruta Joshi

Date	Unit	Topic	Remarks	No. of Lectures
6-Dec-20 10-dec-20	I	Overview and Issues: Problems: Toxins, Power Consumption, Equipment Disposal, Company's Carbon Footprint: Measuring, Details, reasons to bother, Plan for the Future, Cost Savings: Hardware, Power.	Notes given on every topic Using reference book	6
12-Dec-20 21-Dec-20		Initiatives and Standards: Global Initiatives: United Nations, Basel Action Network, Basel Convention, North America: The United States, Canada, Australia, Europe, WEEE Directive, RoHS, National Adoption, Asia: Japan ,China, Korea.		6
19-Dec-20 24-Dec-20	II	Minimizing Power Usage: Power Problems, Monitoring Power Usage, Servers, Low-Cost Options, Reducing Power Use, Data De-Duplication, Virtualization, Management, Bigger Drives, Involving the Utility Company, Low-Power Computers, PCs, Linux, Components, Servers, Computer Settings, Storage, Monitors, Power Supplies, Wireless Devices, Software.	Notes given on every topic Using reference book	12
2-Jan-21 6-Jan-21		Cooling: Cooling Costs, Power Cost, Causes of Cost, Calculating Cooling Needs, Reducing Cooling Costs, Economizers, On-Demand Cooling, HP's Solution, Optimizing Airflow, Hot Aisle/Cold Aisle, Raised Floors, Cable Management, Vapour Seal, Prevent Recirculation of Equipment Exhaust, Supply Air Directly to Heat Sources, Fans, Humidity, Adding Cooling, Fluid Considerations, System Design, Datacentre Design, Centralized Control, Design for Your Needs, Put Everything Together.	Project Evaluation	6

Date	Unit	Topic	Remarks	No. of Lectures
8-Jan-21 13Jan-21	III	Changing the Way of Work: Old Behaviours, starting at the Top, Process Reengineering with Green in Mind, Analysing the Global Impact of Local Actions, Steps: Water, Recycling, Energy, Pollutants, Teleworkers and Outsourcing, Telecommuting, Outsourcing, how to Outsource.	Project Evaluation	6
15-Jan-21 20-Jan-21	III	Going Paperless: Paper Problems, The Environment, Costs: Paper and Office, Practicality, Storage, Destruction, Going Paperless, Organizational Realities, Changing Over, Paperless Billing, Handheld Computers vs. the Clipboard, Unified Communications, Intranets, What to Include, Building an Intranet, Microsoft Office SharePoint Server 2007, Electronic Data Interchange (EDI), Nuts and Bolts, Value Added Networks, Advantages, Obstacles.		4
22-Jan-21 27-Jan-21	IV	Recycling: Problems, China, Africa, Materials, Means of Disposal, Recycling, Refurbishing, Make the Decision, Life Cycle, from beginning to end, Life, Cost, Green Design, Recycling Companies, Finding the Best One,	Notes given on every topic Using reference book	4
29-Jan-21 3-Feb-21	IV	Hardware Considerations: Certification Programs, EPEAT, RoHS, Energy Star, Computers, Monitors, Printers, Scanners, All-in-Ones, Thin Clients, Servers, Blade Servers, Consolidation, Products,	Project Evaluation	6
5-Feb-21 10-Feb-21	IV	Hardware Considerations, Planned Obsolescence, Packaging, Toxins, Other Factors, Remote Desktop, Using Remote Desktop, Establishing a Connection, In Practice		6
12-feb-21 24-feb-21	IV	Checklist, Certifications, Hard Drive Recycling, Consequences, cleaning a Hard Drive, Pros and cons of each method, CDs and DVDs, good and bad about CD and DVDs disposal, Change the mind-set, David vs. America Online		6
26-feb-21 5-Mar-21	V	Greening Your Information Systems: Initial Improvement Calculations, Selecting Metrics, Tracking Progress, Change Business Processes, Customer Interaction, Paper Reduction,		6
6-Mar-21 12-Mar-21	V	Green Supply Chain, Improve Technology Infrastructure, Reduce PCs and Servers, Shared Services, Hardware Costs, Cooling.		6

Date	Unit	Topic	Remarks	No. of Lectures
13-Mar-21 19-Mar-21	V	Staying Green: Organizational Check-ups, Chief Green Officer, Evolution, Sell the CEO, SMART Goals, Equipment Check-ups, Gather Data, Tracking the data, Baseline Data, Benchmarking, Analyse Data, Conduct Audits, Certifications, Benefits, Realities, Helpful Organizations.		6
20-Mar-21 28-Mar-21		Revision Of Unit I, II,III,	Project Presentation	4
3-Apr-21 9-Apr-21		Revision Of Unit IV,V	Project Presentation	4

SESSION PLAN SEM VI (2020-2021)

Subject: Geographic Information Systems (GIS)- TY B.Sc IT – Sem VI

Teacher : Mrs. Srabani Ganguli

Date	Unit	Topics	No. Of Lectures	Practicals
1 st Jan 2021- 15 th Jan 2021	I	<p>A Gentle Introduction to GIS The nature of GIS: Some fundamental observations, Defining GIS, GISystems, GIScience and GIApplications, Spatial data and Geoinformation. The real world and representations of it: Models and modelling, Maps, Databases, Spatial databases and spatial analysis Geographic Information and Spatial Database Models and Representations of the real world Geographic Phenomena: Defining geographic phenomena, types of geographic phenomena, Geographic fields, Geographic objects, Boundaries Computer Representations of Geographic Information: Regular tessellations, irregular tessellations, Vector representations, Topology and Spatial relationships, Scale and Resolution, Representation of Geographic fields, Representation of Geographic objects Organizing and Managing Spatial Data The Temporal Dimension</p>	12	<p>Familiarizing Quantum GIS: Installation of QGIS, datasets for both Vector and Raster data, Maps.</p> <p>Creating and Managing Vector Data: Adding vector layers, setting properties, formatting, calculating line lengths and statistics</p>
16 th Jan 2021- 31 st Jan 2021	II	<p>Data Management and Processing Systems Hardware and Software Trends Geographic Information Systems: GIS Software, GIS Architecture</p> <p>and functionality, Spatial Data Infrastructure (SDI) Stages of Spatial Data handling: Spatial data handling and preparation, Spatial Data Storage and maintenance, Spatial Query and Analysis, Spatial Data Presentation. Database management Systems: Reasons for using a DBMS, Alternatives for data management, The relational data model,</p>	12	<p>Exploring and Managing Raster data: Adding raster layers, raster styling and analysis, raster mosaicking and clipping</p> <p>Making a Map, Working with Attributes, Importing Spreadsheets or CSV files Using Plugins,</p>

		<p>map my data? How to map? How to map qualitative data, How to map quantitative data, How to map the terrain elevation, How to map time series</p> <p>Map Cosmetics, Map Dissemination</p>	<p>Data using Points or Polygons, Interpolating Point Data</p> <p>Advance GIS Operations 2: Batch Processing using Processing Framework Automating Complex Workflows using Processing Modeler Automating Map Creation with Print Composer Atlas</p> <p>Validating Map data</p>
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CLASS TYBCOM
SEMESTER VI
SUBJECT DIRECT AND INDIRECT TAX [GST]
DIV A, B, C AND D
TEACHING PLAN [2020-21]

SR NO	MODULES	MONTH
1	INTRODUCTION	JAN
2	LEVY AND COLLECTION OF TAX	JAN FEB
3	TIME , PLACE AND VALUE OF SUPPLY	FEB MARC
4	INPUT TAX CREDIT & PAYMENT OF TAX	MARCH
5	REGISTRATION UNDER GST	APRIL

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LESSON PLAN

SUBJECT: Introduction to Embedded Systems

CLASS: SY BSC IT SEM IV

SUBJECT TEACHER : Suvarna Mali

DATE	TOPIC	No.Of Lestures
2 nd Jan 2021 – 8 th Jan 2021	Introduction: Embedded Systems and general purpose computersystems,	4
9 th Jan 2021 – 18 th Jan 2021	history, classifications, applications and purpose of embedded systems	4
19 th Jan 2021 – 25 th Jan 2021	Core of embedded systems: microprocessors and microcontrollers,RISC and CISC controllers,embedded firmware, other system components.	4
27 th Jan 2021 – 31 st Jan 2021	Characteristics and quality attributes of embedded systems: Characteristics, operational and non-operational quality attributes.	4
27 th 2021 – 31 st Jan 2021	Embedded Systems – Application and Domain Specific: Application specific – washing machine, domain specific - automotive.	4
1 st Feb 2021 – 8 th Feb 2021	Embedded Hardware: Memory map, i/o map, interrupt map, processor family, external peripherals	4
10 th Feb 2021 – 18 th Feb 2021	memory – RAM , ROM, types of RAM and ROM, memory testing, CRC ,Flash memory.	4
19 th Feb 2021 – 28 th Feb 2021	Peripherals: Control and Status Registers, Device Driver, Timer Driver - Watchdog Timers.	4
1 st March 2021 – 8 th March 2021	The 8051 Microcontrollers: Microcontrollers and Embedded processors, Overview of 8051 family	4
9 th March 2021 – 10 th March 2021	8051 Microcontroller hardware, Input/output pins, Ports, and Circuits, External Memory	4
11 st March 2021 – 18 st March 2021	8051 Programming in C: Data Types and time delay in 8051 C, I/O Programming I/O Programming, Logic operations, Data conversion Programs Microcontroller: Factors to be considered in selecting a controller, why 8051 Microcontroller, Designing with 8051	4
18 th March 2021 – 20 th March 2021	Programming embedded systems: structure of embedded program, infinite loop, compiling, linking and debugging	4
26 th March – 15 th April 2021	Real Time Operating System (RTOS): Operating system basics, types of operating systems	4

15 th April – 25 th April 2021	Real-Time Characteristics, Selection Process of an RTOS.	4
25 th April – 30 th April 2021	Design and Development: Embedded system developmentEnvironment – IDE, types of file generated on cross	4
1 st May – 5 th May 2021	Revision of all Units	4

Ramanand Arya D.A.V. College

Self Financing Courses

Academic Year 2020-2021

SESSION PLAN

Name of Class: FY B.Sc [IT] SEM I

Name of Subject: Imperative Programming

Date	Unit	Topic	Remarks	No. of Lectures
1st September - 15th September 2020	I	Types of Programming languages, History, features and application. Simple program logic, program development cycle, pseudo code statements.	Quiz based on computer languages	6
17th September - 19th September 2020		Flowchart symbols, sentinel value to end a program, programming and user environments, evolution of programming models. Desirable program characteristics. Structure of a program. Compilation and Execution of a Program.	Notes given on every topic Using reference book	6
20th September - 21st September 2020		Character Set, identifiers and keywords, data types, constants, variables and arrays, declarations, expressions, statements, Variable definition, symbolic constants.	Practical sessions	6
22nd September – 29th September 2020	II	Arithmetic operators, unary operators, relational and logical operator, Assignment operators.	Practical sessions	6
1st October – 7th October 2020		Conditional operator, library functions, single character input and output, entering input data	Practical sessions	6
9th October – 13th October 2020		scanf function, printf function, gets and puts functions, interactive programming.	Quiz based on computer languages	6
15th October – 26th October 2020		Decision Making Within A Program, Conditions, Relational Operators, Logical Connectives, If Statement, If-Else Statement,.	Practical sessions	6
27th October – 1st November 2020		Loops: While Loop, Do While For Loop. Nested Loops, Infinite Loops, Switch	Practical sessions	6
2nd November – 4th November 2020		Statement Functions: Overview, defining a function, accessing a function, passing arguments to a function, specifying argument data types, function prototypes.	Practical sessions	6

Date	Unit	Topic	Remarks	No. of Lectures
5th November 2019 – 7th November 2020	III	Recursion, modular programming and functions Standard library of c functions,	Quiz based on computer languages	6
8th November – 10th November 2020		prototype of a function: foo l l a l parameter list, return type, function call, block structure, passing arguments to a function: call by reference, call by value.		
11th November – 13th November 2020	IV	Storage classes, automatic variables, external variables, static variables, multifile programs, more library functions.	Notes given on every topic Using reference book	6
15th November – 17th November 2020		Preprocessor: Features, #define and #include, Directives and Macros Arrays: Definition, processing, passing arrays to functions.	Notes given on every topic Using reference book	6
18th November – 22nd November 2020		Multidimensional arrays, arrays and strings.	Practical sessions	6
23rd November to 25th November 2020	V	Fundamentals, declarations, Pointers Address Operators, Pointer Type Declaration, Pointer Assignment, Pointer Initialization, Pointer Arithmetic, Functions and Pointers, Arrays And Pointers	Practical sessions	6
26th November to 27th November 2020		Pointer Arrays, passing functions to other functions Structure Variables, Initialization, Structure Assignment, Nested Structure, Structures and Functions, Structures and.	Notes given on every topic Using reference book	6
28th November to 30th November – 2020		Arrays: Arrays of Structures, Structures Containing Arrays Unions, Structures and pointers	Practical sessions	3

Name of Faculty: Pallavi Wani

Lesson Plan 2020-2021

Sem II, IV, VI

T.Y. BAF – Cost Accounting - IV			
Sr. No.	Topic	No. of lectures	Month
1	Budgeting and Budgetary Control Meaning & objectives, Advantages and limitations of budgets Functional budgets, fixed and flexible budgets Zero based budgeting, performance budgeting Practical problems of preparing flexible budgets and functional budgets	15	January
2	Absorption Costing and Marginal Costing, Cost Volume and Profit Analysis Absorption Costing and Marginal Costing Meaning of absorption costing, Introduction to marginal costing Distinction between absorption costing and marginal costing Advantages and limitations of marginal costing Cost Volume and Profit Analysis Break even analysis meaning and graphic presentation Margin of safety Key factor Practical problems based on using the marginal costing formulae and key factor	15	February
3	Managerial Decision Making Make or buy Sales mix decisions Exploring new markets Plant shut down decision Practical problems	15	March
4	Standard Costing and Variance Analysis Preliminaries in installing of a standard cost system Material Cost variance Labour cost variance Variable overhead variances Fixed Overhead variances Sales variances Profit variances Practical problems	15	March-April

T.Y. BAF – Indirect Taxes			
Sr. No.	Topic	No. of lectures	Month
1	Payment of Tax and Refunds Payment of Tax, Interest and other Amounts, Interest on delayed Payment, TDS, TCS Refund of tax, Refund in certain cases, Interest on delayed refunds	10	January
2	Returns Types of Returns and Provisions relating to filing of Returns	10	February
3	Accounts, Audit, Assessment and Records Accounts and other records, Period of retention of accounts, Electronic Way Bill Self-Assessment, Provisional Assessment, Scrutiny of Returns, Assessment of non filers of Returns, Assessment of Unregistered person, summary assessment in certain special cases, Audit by tax authorities, Special Audit.	10	March
4	Custom Act – I Introduction to customs law including Constitutional aspects Levy of and exemptions from customs duties – All provisions including application of customs law, taxable event, charge of customs duty, exceptions to levy of customs duty, exemption from custom duty Types of customs duties Classification and valuation of imported and export goods	15	March
5	Custom Act – II Import and Export Procedures – All import and export procedures including special procedures relating to baggage, goods imported or exported by post, stores Provisions relating to coastal goods and vessels carrying coastal goods Warehousing and Drawback	15	April

S.Y. BAF – Financial Accounting

Sr. No.	Topic	No. of lectures	Month
1.	<p>Preparation of Final Accounts of Companies Relevant provisions of Companies Act related to preparation of Final Account (excluding cash flow statement) Preparation of financial statements as per Companies Act. (excluding cash flow statement) AS 1 in relation to final accounts of companies (disclosure of accounting policies)</p>	15	January
2	<p>Redemption of Preference Shares Provision of the Companies Act for redemption of Preference Shares (Sec 55 of the Companies Act, 2013), Companies (Share and Debentures) Rules. Methods of Redemption of fully paid up Preference Shares as per Companies Act, 2013: The proceed of a fresh issue of shares, the capitalisation of undistributed profits and a combination of both, calculation of minimum fresh issue to provide the fund for redemption, (Question on entries and/or Balance Sheet) Note: Companies governed by Section 133 of the Companies Act, 2013 and comply with the accounting standards prescribed for them. Hence, the balance in security premium accounts not to be utilized for premium payable on redemption of preference shares.</p>	10	February
3	<p style="text-align: center;">Redemption of Debentures</p> <p>Introduction : Provisions of Section 71 (1) and (4) of the Companies Act, 2013, Creation and investment of DRR including The Companies (Share Capital and Debentures) Rules, 2014, the methods of writing-off discount/loss on issue of debentures; Terms of issue of debentures Methods of redemption of debentures: By payment in lump sum and by payment in installments (excluding from by purchase in open market), Conversion. (Question on entries. ledgers and/or Balance Sheet and /or redemption of preference shares)</p>	15	February
4	<p style="text-align: center;">Ascertainment and Treatment of Profit Prior to Incorporation</p> <p>Principles for ascertainment Preparation of separate, combined and columnar Profit and Loss Account including different basis of allocation of expenses/ incomes</p>	10	March

5	Foreign Branch Conversion as per AS 11 and incorporation in HO accounts	10	April
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FYBAF- INNOVATIVE FINANCIAL SERVICES

Sr. No.	Topic	No. of lectures	Month
1	<p>Introduction to Traditional Financial Services</p> <p>a) Financial Services: Concept, Objectives/Functions, Characteristics, Financial Service Market</p> <ul style="list-style-type: none"> • Financial Service Market Constituents, Growth of Financial Services in India, Problems in Financial Services Sector, Banking and Non-Banking Companies, Regulatory Framework <p>b) Factoring and Forfaiting: Introduction, Types of Factoring, Theoretical Framework, Factoring Cost,</p> <ul style="list-style-type: none"> • Advantages and Disadvantages of Factoring, Factoring in India, Factoring v/s Forfaiting, Working of Forfaiting, Benefits and Drawbacks of Forfaiting, Practical Problems. <p>c) Bill Discounting: Introduction, Framework, Bill Market Schemes, Factoring V/s Bill Discounting in Receivable Management.</p>	15	January
2	<p>Issue Management and Securitization</p> <p>a) Issue Management and Intermediaries: Introduction, Merchant Bankers/ Lead Managers, Underwriters, Bankers to an Issue, Brokers to an Issue</p> <p>b) Stock Broking: Introduction, Stock Brokers, Sub Brokers, Foreign Brokers, Trading and Clearing/Self Clearing Members, Stock Trading (Cash and Normal)</p> <p>Derivative Trading</p> <p>c) Securitization: Definition, Securitization v/s Factoring, Features of Securitization, Pass Through Certificates, Securitization Mechanism, Special Purpose Vehicle, Securitisable Assets, Benefits of Securitization, New Guidelines on Securitization</p>	15	February
3	<p>Financial Services and its Mechanism</p> <p>a) Lease and Hire-Purchase: Meaning, Types of Lease - Finance Lease, Operating Lease, Advantages and Disadvantages of Leasing, Leasing in India, Legal Aspects of Leasing. Definition of Hire Purchase, Hire Purchase and Installment Sale Characteristics, Hire</p>	15	March

	<p>Purchase and Leasing, Advantages of Hire Purchase, Problems of Hire Purchase. b) Housing Finance: Introduction, Housing Finance Industry, Housing Finance Policy Aspect, Sources of Funds, Market of Housing Finance, Housing Finance in India- Major Issues, Housing Finance in India – Growth Factors, Housing Finance Institutions in India, National Housing Bank (NHB), Guidelines for Asset Liability Management System in HFC, Fair Trade Practice Code for HFC's, Housing Finance Agencies</p> <p>c) Venture Capital: Introduction, Features of Venture Capital, Types of Venture Capital Financing Stages, Disinvestment mechanisms, Venture Capital Investment process, Indian Scenario</p>		
4	<p>Consumer Finance and Credit Rating</p> <p>a) Consumer Finance: Introduction, Sources, Types of Products, Consumer Finance Practice in India, Mechanics of Consumer Finance, Terms, Pricing, Marketing and Insurance of Consumer Finance, Consumer Credit Scoring, Case for and against Consumer Finance b) Plastic Money: Growth of Plastic Money Services in India, Types of Plastic Cards- Credit card Debit Card- Smart card- Add-on Cards, Performance of Credit Cards and Debit Cards, Benefits of Credit Cards, Dangers of Debit Cards, Prevention of Frauds and Misuse, Consumer Protection. Indian Scenario. Smart Cards- Features, Types, Security Features and Financial Applications</p> <p>c) Credit Rating: Meaning, Origin, Features, Advantages of Rating, Regulatory Framework, Credit Rating Agencies, Credit Rating Process, Credit Rating Symbols. Credit Rating Agencies in India, Limitations of Rating</p>	15	April

SYBMS: Corporate Restructuring

Sr. No.	Topic	No. of lectures	Month
1	<p>Corporate Restructuring – Introduction and Concepts (Only Theory)</p> <ul style="list-style-type: none"> • Corporate Restructuring - Historical Background, Meaning of Corporate Restructuring, Corporate Restructuring as a Business Strategy, Need and Scope of Corporate Restructuring. • Planning, Formulation and Execution of Various Restructuring Strategies, Important Aspects to be considered while Planning or Implementing Corporate Restructuring Strategies. • Forms of Restructuring - Merger, Demerger, Reverse merger , Disinvestment , Takeover/acquisition, Joint Venture (JV), Strategic Alliance, Franchising and Slump sale 	10	January
2	<p>Accounting of Internal Reconstruction (Practical and theory)</p> <ul style="list-style-type: none"> • Need for reconstruction and Company Law provisions, Distinction between internal and external reconstructions • Methods including alteration of share capital, variation of shareholder rights, sub division, consolidation, surrender and reissue/cancellation, reduction of share capital, with relevant legal provisions and accounting treatments for same 	20	January-February
3	<p>Accounting of External Reconstruction (Amalgamation/ Mergers/ Takeovers and Absorption)(Practical and theory)</p> <ul style="list-style-type: none"> • In the nature of merger and purchase with corresponding accounting treatments of pooling of interests and purchase methods respectively • Computation and meaning of purchase consideration and Problems based on purchase method of accounting only. 	20	February-March
4	<p>Impact of Reorganization on the Company - An Introduction (Only Theory)</p> <ul style="list-style-type: none"> • Change in the Internal Aspects on Reorganization – Change of Name and Logo, Revised Organization Chart, Communication, Employee Compensation, Benefits and Welfare Activities, Aligning Company Policies, Aligning Accounting and Internal Database Management Systems, Re-Visiting Internal Processes and Re-Allocation of People 	10	April

	<ul style="list-style-type: none">• Change in External Aspects on Reorganization - Engagement with Statutory Authorities, Revised ISO Certification and Similar Other Certifications, Revisiting past Government approvals, decisions and other contracts.• Impact of Reorganization - Gain or Loss to Stakeholders, Implementation of Objectives, Integration of Businesses and Operations, Post Merger Success and Valuation and Impact on Human and Cultural Aspects.		
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TYBMS: Indirect Taxes

Sr. No.	Topic	No. of lectures	Month
1	<p>Introduction to Indirect Taxation and GST</p> <p>A. Basics for Taxation - Direct Taxes and Indirect Taxes – Difference, Advantages and Disadvantages, Sources and Authority of Taxes in India (Art 246 of the Indian Constitution) B. Introduction to GST – Genesis of GST in India, Power to tax GST (Constitutional Provisions), Extent and Commencement, Meaning and Definition of GST, Benefits of GST, Conceptual Framework – CGST, IGST,SGST,UTGST, Imports of goods or services or both, Export of goods or services or both, Taxes subsumed and not subsumed under GST. C. Definitions – Goods (2(52) of CGST Act), Services (2(102) of CGST Act), Money (2(75) of CGST Act), Securities (2(101) of SCRA Act,1956), India(2(56) of CGST Act), Persons (2(84) of CGST Act),Taxable Person (2(107) of CGST Act), Business (2(17) of CGST Act), Consideration(2(31) of CGST Act), E- Commerce Operator (2(45) of CGST Act), Supplier(2(105) of CGST Act),Recipient(2(93) of CGST Act) D. Levy and Collection of GST – Levy and Collection of CGST, IGST, SGST,UTGST (Sec 9 of CGST Act), Composition Scheme under GST (Sec 10 of CGST Act), Power to Grant Exemption (Sec 11 of CGST Act)GST Rate Schedule for Goods and Services.</p>	10	January
2	<p>Concept of Supply</p> <p>A. Taxable Event Supply– Meaning and Scope of Supply (Section 7 Subsection 1, 2 and 3 of Act) Schedule I, Schedule II, Schedule III, Composite and Mixed Supplies (Sec 8 of CGST Act) B. Place of Supply – Location of Supplier of Goods and Services, Place of Supply of Goods (Sec 10, 11,12 and 13 of IGST Act), Special Provision for Payment of Tax by a Supplier of Online Information Database Access Retrieval. C. Time of Supply- Time of Supply (Sec 31 of CGST Act), Issue of Invoice by the Supplier (Sec 31 (1) and Sec 31(2)of CGST Act), Continuous Supply of Goods and Services, Goods Sent on Approval (Sec 31(7) of CGST Act) D. Value of Supply – Determination of Value of Supply (Sec 15 of CGST Act and CGST Rules 2017), Input Tax Credit (Sec</p>	20	February

	2(62) of CGST Act) Capital Goods (Sec 202(19) of CGST Act), Input Sec 2(59) of C10GST Act), Input Service (Sec 2(60) of CGST Act). Eligibility and Conditions for taking Input Tax Credit (Sec 16 of CGST Act)		
3	<p>Registration and Computation of GST</p> <p>A. Registration – Persons liable for Registration (Sec 22 of the Act), Persons not liable for Registration, Procedure for Registration (Sec 25 of the Act), Deemed Registration (Sec 26 of the Act), Special Provisions (Sec 27 of the Act), Amendment, Cancellation and Revocation of Registration (Sec 28, Sec 29 and Sec 31 of the Act) B. Computation of GST – Computation of GST under Inter State and Intra State Supplies. C. Payment of Tax- Payment of Tax, Interest and other Amounts (Sec 49 of the Act), Interest on delayed Payment (Sec 50 of the Act), TDS (Sec 51 of the Act), TCS (Sec 52 of the Act)</p>	20	March
4	<p>Filing of Returns</p> <p>A. Documentation- Tax Invoices (Sec 31 and 32 of the Act), Credit and Debit notes (Sec 34 of the Act), Electronic Way Bill B. Returns – Types of Returns and Provisions relating to filing of Returns (Sec 37 to Sec 48 of the Act)</p>	10	April

Teaching plan		
SUBJECT: Integrated Marketing Communication Class: Sybms Sem IV 2020-21 Vaishali Nikam		
MONTH	MODULE	NO OF LECTURES
January	<u>Introduction to Integrated Marketing Communication</u> <ul style="list-style-type: none"> • Meaning, Features of IMC, Evolution of IMC, Reasons for Growth of IMC. • Promotional Tools for IMC, IMC planning process, Role of IMC in Marketing • Communication process, Traditional and alternative Response Hierarchy Models • Establishing objectives and Budgeting: Determining Promotional Objectives, Sales vs. Communication Objectives, DAGMAR, Problems in setting objectives, Setting objectives for the IMC Program. 	15
February	<u>Elements of IMC – I</u> <ul style="list-style-type: none"> • Advertising – Features, Role of Advertising in IMC, Advantages and Disadvantages, Types of Advertising, Types of Media used for advertising. • Sales promotion – Scope, role of Sales Promotion as IMC tool, Reasons for the growth, Advantages and Disadvantages, Types of Sales Promotion, objectives of consumer and trade promotion, strategies of consumer promotion and trade promotion, sales promotion campaign, evaluation of Sales Promotion campaign. 	15
March	<u>Elements of IMC – II</u> <ul style="list-style-type: none"> • Direct Marketing - Role of direct marketing in IMC, Objectives of Direct Marketing, Components for Direct Marketing, Tools of Direct Marketing – 	15

	<p>direct mail, catalogues, direct response media, internet, telemarketing, alternative media evaluation of effectiveness of direct marketing</p> <ul style="list-style-type: none"> • Public Relations and Publicity – Introduction, Role of PR in IMC, Advantages and Disadvantages, Types of PR, Tools of PR ,Managing PR – Planning, implementation, evaluation and Research, Publicity, Sponsorship – definition, Essentials of good sponsorship, event sponsorship, cause sponsorship • Personal Selling – Features, Role of Personal Selling in IMC, advantages and disadvantages of Personal Selling, Selling process, Importance of Personal Selling 	
April	<p><u>Evaluation & Ethics in Marketing Communication</u></p> <ul style="list-style-type: none"> • Evaluating an Integrated Marketing program – Evaluation process of IMC – Message Evaluations, Advertising tracking research – copy testing – emotional reaction test, cognitive Neuro science – online evaluation, Behavioural Evaluation – sales and response rate, POPAI, Toll free numbers, QR codes and facebook likes, response cards, Internet responses, redemption rate Test Markets – competitive responses, scanner data, Purchase simulationtests • Ethics and Marketing communication – stereotyping, targeting vulnerable customers, offensive brand messages – legal issues – Commercial free speech, misleading claims, puffery, fraud, questionable B2B practices • Current Trends in IMC – Internet & IMC, Advertising on internet, PR through Internet Banner, Sales promotion on Internet, direct marketing on internet. 	15

Teaching plan

SYBMS :- EVENT MARKETING 2020-21

SEM IV

Vaishali Nikam

MONTH	UNITS	NO OF LECTURES
January	<p><u>Introduction to Events</u></p> <ul style="list-style-type: none">• Definition and Meaning of Event Marketing ; The Evolution of Event Marketing, Advantages of Event Marketing, 5 C's of Events- Conceptualization, costing, canvassing, customization, carrying-out; Event Designing; Reach; Interaction Points, Direct Interaction, Indirect Interaction, Interaction Catalysts or Enablers.• Importance of Events as a Marketing Communication Tool; Events as a Marketing Tool: The Varied Marketing Needs Addressed by Events: Brand Building, Focus on Target Market, Implementation of Marketing Plan, Marketing Research, Relationship Building, Creating opportunities for better deals with different media, Events and their Economic implications.• Concept of Event Creativity, Key Elements of Events: Event Infrastructure; Customer Groups; Clients; Event Organizers; Venue; Media	15
February	<p><u>Segmenting, Targeting and Positioning of Events and Concept of Product in Events</u></p> <ul style="list-style-type: none">• Concept of Market in Events; Segmentation and targeting of the Market for events; Positioning of events- Event Property.• Concept of Product in Events: Benefit Levels- Core, generic, expected, augmented; Categories of Events: Competitive Events, Artistic Expression, Cultural Celebrations, Exhibition Events, Charitable Events, Special Business Events, Retail Events.• Event Variations- Time Frame Based, Concept Based, Artist Based, Client Industry Based.	15
MARCH	<p><u>Concept of Pricing and Promotion in Events</u></p> <ul style="list-style-type: none">• Risk Rating, Setting Pricing Objectives, Understanding local legislations and tax laws, Feedback about events from the market, skills required for negotiating	15

	<p>the best price, validation against pricing objectives, pricing decisions, Event Charges: Percentage of the total Event Cost, Flat Fee, Package Price, Hourly Rate.</p> <ul style="list-style-type: none"> • Networking Components: Print Media, Radio, Television, Internet, Outdoor Media, Direct Marketing, Sales Promotion, Public Relations, Merchandising, Invenue Publicity. • Event Sponsorship: Concept of Sponsorship, Sponsorship in a communication context, Synergy between sponsor and Event, Identifying Potential sponsors, Impact Measurement, Practical Sponsor Incentivization, In-Kind Sponsorship. 	
April	<p><u>Trends and Challenges in Event Marketing</u></p> <ul style="list-style-type: none"> • e-event marketing, Virtual Events, Societal Event Marketing, Green Event, Cause-Related Event Marketing, Sports Event Marketing. • Safety and Security of Event • Event Crisis Management • Growth of Event Industry in India • Career in Event Marketing 	15

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Teaching plan 2020-21		
	SUBJECT: Brand management Class: Tybms Sem VI Vaishali Nikam	
MONTH	MODULE	NO OF LECTURES
JANUARY	Introduction to Brand Management: • Meaning of Brand, Branding, Brand Management, Importance of Branding to Consumers, Firms, Brands v/s Products, Scope of Branding, Branding Challenges and Opportunities, Strategic Brand Management Process, Customer Based Brand Equity model (CBBE), Sources of Brand Equity, Steps of Brand Building including Brand Building Blocks, Brand Positioning: Meaning, Importance, Basis	15
FEBRUARY	2 Planning and Implementing Brand Marketing Programs a) Planning and Implementing Brand Marketing Programs: • Brand Elements: Meaning, Criteria for choosing Brand Elements, Types of Brand Elements • Integrating Marketing Programs and Activities • Personalising Marketing: Experiential Marketing, One to One Marketing, Permission Marketing	15

	<ul style="list-style-type: none"> • Product Strategy: Perceived Quality and Relationship Marketing • Pricing Strategy: Setting Prices to Build Brand Equity • Channel Strategy: Direct, Indirect Channels • Promotion Strategy: Developing Integrated Marketing Communication Programs • Leveraging Secondary Brand Associations to Build Brand Equity: Companies, Countries, Channel of Distribution, Co-branding, Characters, Events. 	
MARCH	<p>3 Measuring and Interpreting Brand Performance</p> <p>a) The Brand Value Chain</p> <p>b) Measuring Sources of Brand Equity:</p> <ul style="list-style-type: none"> • Qualitative Research Techniques: Projective Techniques: Completion, Comparison, Brand Personality and Values: The Big Five, Free Association • Quantitative Research Techniques: Brand Awareness: Recognition, Recall, Brand Image, Brand Responses <p>c) Young and Rubicam’s Brand Asset Valuator</p> <p>d) Measuring Outcomes of Brand Equity</p> <ul style="list-style-type: none"> • Comparative Methods: Brand based Comparative Approaches, Marketing Based Comparative Approaches, Conjoint Analysis • Holistic Methods: Residual Approaches, Valuation Approaches: Historical Perspectives and Interbrand’s Brand Valuation Methodolog 	15

<p>APRIL</p>	<p>4 Growing and Sustaining Brand Equity</p> <p>a) Designing & Implementing Branding Strategies:</p> <ul style="list-style-type: none"> • Brand Architecture: Meaning of Brand Architecture, The Brand-Product Matri, <p>Breadth of a Branding Strategy, Depth of a Branding Strategy</p> <ul style="list-style-type: none"> • Brand Hierarchy: Meaning of Brand Hierarchy, Building Equity at Different <p>Hierarchy Levels</p> <ul style="list-style-type: none"> • Cause Marketing to Build Brand Equity: Meaning of Cause Marketing, <p>Advantages, Green Marketing</p> <p>b) Brand Extensions:</p> <ul style="list-style-type: none"> • Meaning, Advantages, Disadvantages, Brand Extension and Brand Equity <p>c) Managing Brands over Time:</p> <ul style="list-style-type: none"> • Reinforcing Brands, Revatilising Brands <p>d) Building Global Customer Based Brand Equity</p>	<p>15</p>
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Teaching plan 2020-21		
	SUBJECT: Media planning and management Class: Tybms Sem VI Vaishali Nikam	
MONTH	MODULE	NO OF LECTURES
January	<p>Overview of Media and Media Planning</p> <p>a) Overview of Media and Media Planning:</p> <ul style="list-style-type: none"> • Meaning of Media & Features of Media, Meaning of Media Planning , Scope of Media planning , Media Planning Elements, Role of Media in Business, Media Planning Process, Impact of Marketing Objectives on Media Planning, Factors Influencing Media Planning Decisions, Role and Importance of Media in Consumer Buying Decision, Role of Media Planner, Challenges of Media Planning, Organization Structure of Media Company, Regulatory Framework and Legal Aspects in Media Planning <p>b) Media Research:</p> <ul style="list-style-type: none"> • Meaning, Role and Importance • Sources of Media Research : Audit Bureau of Circulation, Press Audits, National Readership Survey/IRS, Businessmen’s Readership Survey, TRP, National Television Study, ADMAR Satellite Cable Network Study, Reach and Coverage Study, CIB Listenership Survey 	15

February	<p>2 Media Mix and Media Strategy</p> <p>a) Media Mix:</p> <ul style="list-style-type: none"> • Meaning, Need for Media Mix, Identifying Audience for Mass Media , Factors Affecting Media Mix Decision, Types of Media Mix Decisions: Broad Media Classes, Media Vehicles, Media Units, Deciding Ideal Media Mix <p>b) Media Choices:</p> <ul style="list-style-type: none"> • Print Meaning- Factors Affecting Selection of Print Media Decisions , Types of Print Media, Advantages and Limitations • Television- Meaning, Factors Affecting Selection of Television Media Decisions, Advantages and Limitations • Radio- Meaning, Factors Affecting Selection of Radio Media Decision, Advantages and Limitations • Out of Home (OOH)- Meaning, Types of OOH, Factors Affecting OOH Planning Decision, Advantages and Limitations <p>c) Emerging Media:</p> <ul style="list-style-type: none"> • Online, Mobile, Gaming, In flight, In Store, Interactive Media <p>d) Media Strategy:</p> <ul style="list-style-type: none"> • Meaning, Need for Media Strategy, Situation Analysis for Media Strategy and its Components • Steps in Formulating Media Strategies: Defining the Target Group, Market Prioritization, Media Weights, Media Mix, Media Scheduling. 	15
March	<p>3 Media Budgeting, Buying & Scheduling</p> <p>a) Media Budget</p> <ul style="list-style-type: none"> • Meaning • Factors to be considered while Framing a Budget: Advertising Task, Competitive 	15

	<p>Framework, Market Dominance, Market Coverage, Media Cost, Market Task,</p> <p>Pricing ,Frequency of Purchase</p> <ul style="list-style-type: none"> • Importance of Media Budget. • Methods of Setting Media Budget - Status Quo, Inflation Adjusted, Advertising <p>Sales, Case Rate & Advertising Margin Method, Share of Market, Yardstick</p> <p>Method, Effective Frequency & Reach Method & Margin Analysis ROI Based</p> <p>Approach, Experimental Approach, Break Even Planning.</p> <p>b) Media Buying:</p> <ul style="list-style-type: none"> • Meaning, Role of Media Buyer, Objectives of Media Buying, • Buying Process: Buying Brief, Environmental Analysis, Science and Art of <p>Buying, Benchmarking Buying Plan Presentation Deal Management and Post</p> <p>Buy</p> <ul style="list-style-type: none"> • Buying brief: Concept & Elements of Buying Brief, Art of Media Buying – <p>Negotiation in Media Buying, Plan Presentation and Client Feedback</p> <ul style="list-style-type: none"> • Criteria in Media Buying <p>c) Media Scheduling</p> <ul style="list-style-type: none"> • Meaning, Importance • Factors Affecting Scheduling: Sales Pattern, Purchase Cycle, Product <p>Availability, Competitive Activity, Marketing Task, Budget Constraints, Target</p>	
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	<p>Group.</p> <ul style="list-style-type: none"> • Scheduling Patterns – Continuity, Flighting, Pulsing • Scheduling Strategies for Creating Impact: Road Block , Day or Day part • Emphasis, Multiple Spotting, Teasers 	
April	<p>Developments in International Marketing</p> <p>a) Media Measurement:</p> <ul style="list-style-type: none"> • Basic Metrics: Reach, Cumulative/Frequency Reach, Discrete & Cumulative distribution, Average Opportunity to See (AOTS), Effective frequency/Reach • Television Metrics: Dairy v/s Peoplemeter, TRP,/TVR, Program Reach & Time Spent, Stickiness Index, Ad Viewership • Radio Metrics: Arbitron Radio Rating • Print Metrics: Circulation, Average Issue Readership (AIR), Total or Claimed Reader, Sole or Solus reader. • OOH Metrics: Traffic Audit Bureau (TAB) <p>b) Benchmarking Metrics:</p> <ul style="list-style-type: none"> • Share, Profile, and Selectivity Index <p>c) Plan Metrics:</p> <ul style="list-style-type: none"> • Gross Rating Points (GRP), Gross Impressions (GI), Share of Voice (SOV). <p>d) Evaluating Media Buys</p> <ul style="list-style-type: none"> • Evaluating Television Media Buying: Dysfunctional Card Rate, Secondary and Effective Rate, Deal Composition, Cost Per Rating Point(CPRP), Reach Delivered by the Buy, Visibility Spots, Bonus Percentage, Upgrades and Spot Fixing, <p>Sponsorships</p> <ul style="list-style-type: none"> • Evaluating Print Media Buying: Discount on Rate Card, Negotiated Rate, Cost Per Thousand (CPT), Market Share Incentives, Readership v/s Circulation Track, Growth Incentives, Combination Rate Incentives, Full 	15

	<p>Page Discounts and Size Upgrades, Discount for Colour Ads, Date Flexibility Incentives, Positioning, Innovations.</p> <ul style="list-style-type: none">• Evaluating Other Media Buys: Radio Buys, Outdoor Buys, Cinema Buys, Internet Buys, and Mobile B	
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Teaching plan 2020-21		
	SUBJECT: turnaround management Class: Tybbi Sem VI Vaishali Nikam	
MONTH	MODULE	NO OF LECTURES
JANUARY	1 Introduction to Business Meaning, Definition, Features, Importance, Symptoms, Types of Business Organization. Different approaches for Growth and Survival. <ul style="list-style-type: none"> • Internal Strategies • External Strategies • Survival Strategies 	10
FEBRUARY	2 Industrial Sickness Meaning and Internal /External Reasons of Industrial Sickness <ul style="list-style-type: none"> • Symptoms of Industrial Sickness • Measures to Overcome Sickness by Government and Stakeholders • Role of BIFR in Sick Industries 3 	10
MARCH	Turnaround Management Strategies Turnaround – Meaning, Definition, Indicators of Successful Turnaround <ul style="list-style-type: none"> • TQM and Restructuring. • Selling of a sick unit • BPR - Meaning, Definition, Elements, Need, Implications - Approaches (Reengineering Team, BPR Leader, Process Owner, Kaizen, Flow Chart, 5S principles, Process) 4 Business Scenario Features, Advantages, Disadvantages, Types and Present Status of: <ul style="list-style-type: none"> • Outsourcing • Networking 	10

	<ul style="list-style-type: none"> • Franchising • Free lancing • Self-Financing • Start up 	15
APRIL	<p style="text-align: center;">5</p> <p>Leadership and Turnaround Management</p> <p>Outfitting the Management Team, Personal Characteristic, Focusing on Present Operations, Focus on Needs in Turnarounds, Styles of Decision Making in the Turnaround Process, Organizational Change. Quality in the Managerial Process, Dilemma of Management, Turnaround Management as a Skill.</p>	15

Subject : principles of marketing 2020-21

UNIT	SYLLABUS	DURATION
1	<ul style="list-style-type: none">• Defination,features ,advantages & scope of Marketing• Marketing v/s Selling	JANUARY
	<ul style="list-style-type: none">• The 4p's & c's of Marketing ,Concepts of Marketing	
	<ul style="list-style-type: none">• Orientation of a firm	
2	<ul style="list-style-type: none">• Macro environment & micro environment of business	FEBRUARY
	<ul style="list-style-type: none">• Features ,advantages, disadvantages ,types of marketing research	
	<ul style="list-style-type: none">• Nature of MIS , Advantages ,MR V/S MIS	
	<ul style="list-style-type: none">• Types, features, factors affecting consumer behavior	
3	<ul style="list-style-type: none">• Nature of product, product life cycle, level of product• New product development	MARCH
	<ul style="list-style-type: none">• Branding, types of branding, pricing strategy ,pricing objective	
	<ul style="list-style-type: none">• Physical distribution channels,benefits to manufacturer & customer,types of sales promotion	
4	<ul style="list-style-type: none">• Definition,types of segmentation strategy	APRIL
	<ul style="list-style-type: none">• Advantages of Targeting & positioning, New trends in marketing	

Class : fybms Sem II VAISHALI NIKAM

RAMANAND ARYA D.A.V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020 – 21

NAME OF CLASS: FYBBI - Sem 1

Reference Book: Vipul Publications

By: Kale - Ahmed

NAME OF SUBJECT: Principles of Management in Banking and Insurance

SR.NO	MONTH	TOPICS	NO. OF LECTURES
UNIT 1	August - September	<u>Introduction to Management</u> <ul style="list-style-type: none">➤ Meaning and definition of management➤ Management as a profession➤ Traditional v/s contemporary management	13
UNIT 2	September - October	<u>Management process</u> <ul style="list-style-type: none">➤ Functions of management related to Banking and Insurance.	13
UNIT 3	October - November	<u>Organisational Structure of Banking and Insurance</u> <ul style="list-style-type: none">➤ Departmentations➤ Formal, Informal➤ Other types➤ Centralisation and Decentralization	15
UNIT 4	November - December	<u>Business leaders</u> <ul style="list-style-type: none">➤ Indian leaders➤ International leaders➤ World Bank➤ IMF	12

RAMANAND ARYA D.A.V COLLEGE

SELF FINANCING COURSES

ACADEMIC YEAR 2020 – 21

NAME OF CLASS: **FYBFM Sem II**

NAME OF SUBJECT: **PRINCIPLES OF MANAGEMENT**

SR.NO	MONTH	TOPICS	NO. OF LECTURES
UNIT 1	January	<u>INTRODUCTION</u> <ul style="list-style-type: none"> • Management: Nature and Process, Role & Skills, Nature of Managerial Work, Approaches to Management, Classical, Behavioral, Systems and Contingency Approaches, Contemporary issues and Challenges. 	12
UNIT 2	February	<u>Planning and decision making</u> <ul style="list-style-type: none"> • Planning: concept, purpose and process, kinds of plans, strategies, Policies, and Planning Premises, Goal setting, MBO, Decision making Conditions, Forms of Group Decision - Making in Organization. 	12
UNIT 3	March	<u>Organizing</u> Fundamentals of Organizing, Bases of Departmentation, Distribution of Authority, Coordination, Organization Structure and Design, Leadership - Nature and Significance, Leading and Managing, Leadership Styles, Leadership Theories.	13
UNIT 4	April	<u>Management control.</u> Nature, Purpose and Process of Controlling, Kinds of Control system, Prerequisites of Effective Control Systems, Resistance to Control, Controlling Techniques.	10

RAMANAND ARYA D.A.V COLLEGE

SELF FINANCING COURSES

ACADEMIC YEAR 2020 – 21

NAME OF CLASS: SYBMS (HR) - Sem III

Reference Book: Vipul Publications

NAME OF SUBJECT: Recruitment and Selection

SR.NO	MONTH	TOPICS	NO. OF LECTURES
UNIT 1	August - September	<u>Recruitment :</u> <ul style="list-style-type: none">❖ Meaning, Objectives, Scope and Definition, Importance and Relevance❖ Job Analysis : Concept, Specifications, description, process and Methods, Uses of Job Analysis❖ Job Design: Introduction, Definition, Modern Techniques, Factors affecting Job Design, Contemporary Issues in Job Designing.❖ Sources of Types of Recruitment : (a) Direct/Indirect (b) Internal / External❖ Techniques of Recruitment : Traditional Vs Modern Recruitment❖ Evaluation of Recruitment : Outsourcing Programme	13
UNIT 2	September - October	<u>Selection :</u> <ul style="list-style-type: none">❖ Concept of Selection, Criteria for Selection, Process, Advertisement and Application (Blank Format)❖ Screening : Pre and Post Criteria for Selection, Steps of Selection	13

		<ul style="list-style-type: none"> ❖ Interviewing : Types and Guidelines for Interviewer and Interviewee, Types of Selection Tests, Effective Interviewing Techniques ❖ Selection Hurdles and Ways to Overcome Them 	
UNIT 3	October - November	<p><u>Induction</u> :</p> <ul style="list-style-type: none"> ❖ Concept, Types - Formal/Informal, Advantages of Induction, How to make Induction Effective ❖ Orientation and Onboarding : Programme and Types, Process ❖ Socialisation : Types-Anticipatory, Encounter, Setting in, Socialisation Tactics ❖ Current Trends in Recruitment and Selection Strategies with respect to service, Finance, I.T., Law and Media Industry 	12
UNIT 4	November - December	<p><u>Soft Skills</u> :</p> <ul style="list-style-type: none"> ❖ Preparing Bio - Data and C.V ❖ Social and Soft Skills - Group Discussion and Personal Interview, Video and Teleconferencing Skills. ❖ Presentation and Negotiation Skills, Aesthetic Skills. ❖ Etiquettes - Different Types and Quitting Techniques. ❖ Exit Interview - Meaning, Importance 	12

RAMANAND ARYA D.A.V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020 – 21

NAME OF CLASS: TYBMS (HR) - Sem V

Reference Book: Vipul Publications

NAME OF SUBJECT: Talent And Competency

SR.NO	MONTH	TOPICS	NO. OF LECTURES
UNIT 1	August - September	<p><u>Introduction to Talent Management</u></p> <ul style="list-style-type: none"> ❖ Meaning History, need and scope of Talent management. ❖ Benefits, Limitations, Principles and Source of Talent Management. ❖ Talent Gap: Meaning, Strategies to fill Gaps. Role of HR in Talent Management. ❖ Role of Talent Management in building Sustainable Competitive Advantage to an Organisation. 	13
UNIT 2	September - October	<p><u>Talent Management System</u></p> <ul style="list-style-type: none"> ❖ Talent Management System Meaning, Key elements of TMS. ❖ Critical Success Factors to create TMS. ❖ Building Blocks for TM: Introduction, Effective TMS, Building Blocks of TMS. ❖ Life Cycle of TM: Meaning, Steps in TM process, Importance and Essentials of TM process. 	13

		<ul style="list-style-type: none"> ❖ Approaches to Talent Management. ❖ Talent Management Strategy: Meaning, Developing a Talent Management Strategy, Mapping Business Strategies and Talent Management Strategies. ❖ Talent Management and Succession Planning. 	
UNIT 3	October - November	<p><u>Contemporary Issues and Current Trends in Talent Management.</u></p> <ul style="list-style-type: none"> ❖ Role of IT in Effective TMS, TMIS, Creating Business Value through IT, Five Steps to a TMIS. ❖ Contemporary TM issues, TM challenges. ❖ Current Trends in TM ❖ Best Practices in TM ❖ Ethical and Legal Obligations Associated with TM ❖ TM in India 	12
UNIT 4	November - December	<p><u>Competency Management and Competency Mapping</u></p> <ul style="list-style-type: none"> ❖ Concept of Competency and Competence, Competency v/s Competence ❖ Types of Competencies, Benefits and Limitations of implementing competencies. ❖ Iceberg Model of Competency 	12

		<ul style="list-style-type: none"> ❖ Competency Management: Meaning, Features, Objectives, Benefits and Challenges. ❖ Competency Development : Meaning and process ❖ Competency Mapping: Meaning, Features, Need, Importance, Methods and Steps of Competency Mapping. 	

Name: Bhagyashree Grampurohit

Subject: Environmental Studies

Lesson Plan (Semester 1)

2020-21

Sr. No	Topic	No. of Lectures	Month	Total number of lectures
1.	Unit I : Environment and Ecosystem			13
	Meaning, definition, scope and its components	2	September Week 1	
	Concept of an ecosystem: Functioning and types	3	September Week 1	
	Structure of an ecosystem	2	September Week 2	
	Food chain, Food web, Ecological Pyramid	3	September Week 2	
	Man and Environment relationship	2	September Week 3	
	Importance of Environmental Studies	1	September Week 2	
2.	Natural Resources and Sustainable Development			13
	Meaning, Definition, Natural and manmade resources	1	September Week 2	
	Factors influencing resource utilization	1	October Week 1	
	Conventional and Non-conventional resources	4	October Week 1	
	Resource Conservation	1	October Week 2	
	Water Resources- Availability, threats and conservation	2	October Week 2	
	Energy Resources – Availability, threats and conservation	2	October Week 2	
	Forest Resources – Availability, threats and conservation	1	October Week 3	
	Resource Utilization and Sustainable development	1	October Week 3	
3.	Population and Emerging issues of Development		November	13
	Demographic Transition Theory	1	October Week 3	
	Population Explosion in India: Causes and Effects	2	October Week 4	
	Global Population Distribution Pattern	1	October Week 4	
	Population pattern in the world	1	October Week 4	
	Measures taken to control population growth in India	2	November Week 1	
	National Population Policy	1	November Week 1	
	Environmental effects of population growth – Air, water and soil pollution	3	November Week 1	

	Human Development Index and World Happiness Index	2	November Week 2	
4.	Urbanisation and Environment			13
	Concept of Urbanization and Migration	1	November Week 2	
	Causes of Urbanization and Migration	1	November Week 2	
	Effects of Urbanization and Migration	2	November Week 3	
	Changing land use pattern	2	November Week 3	
	Biodiversity: Meaning, threats and conservation	1	November Week 3	
	Loss of soil cover	1	November Week 4	
	Urban Heat Islands	1	November Week 4	
	Smart City	2	November Week 4	
	Sustainable city	2	December Week 1	
5.	Thematic Maps and Map filling			8
	PowerPoint presentation on thematic maps and map filling techniques	1	December Week 1	
	Thematic map solving	2	December Week 2	
	Map filling: Oceans, Continents, Important Countries	1	December Week 2	
	Map filling : Natural Resources	1	December Week 2	
	Map filling : Environmental features	1	December Week 3	
	Map filling : Important regions / Ranks of countries	1	December Week 3	
	Map filling: Practice session	1	December Week 3	
	Revision		December Week 3 and 4	
		Total lectures		60

Name: Bhagyashree Grampurohit

Subject: Environmental Science

Lesson Plan (Semester 2)

2020-21

Sr. No	Topic	No. of lectures	Month	Total No. of lectures
1.	Solid Waste Management for Sustainable Society			11
	Classification of Solid waste	2	January Week 1	
	Sources of Solid Waste	2	January Week 1	
	Effects of solid waste pollution – Health Hazards and Environmental impacts	2	January Week 1	
	Solid Waste Management in Mumbai	1	January Week 1	
	Schemes and initiatives run by MCGM	2	January Week 2	
	Role of citizens in Waste Management	2	January Week 2	
2.	Agriculture and Industrial Development			12
	Environmental problems associated with agriculture: Loss of productivity, Land degradation, Desertification	2	January Week 2	
	Hunger, Malnutrition and Food security	2	January Week 3	
	Sustainable Agricultural Practices	1	January Week 3	
	Environmental Problems associated with industries: Pollution, Global Warming, Ozone layer Depletion, Acid Rain	3	January Week 3	
	Sustainable Industrial Practices	1	January Week 4	
	Green Business	1	January Week 4	
	Green Consumerism	1	January Week 4	
	Corporate Social Responsibility	1	January Week 4	
3.	Tourism and Environment			12
	Tourism: Meaning, Nature, Scope and Importance	1	February Week 1	
	Types of tourism	2	February Week 1	
	Tourism Potential and challenges in India	1	February Week 1	
	New Tourism Policy of India	1	February Week 1	
	Positive and Negative Consequences of tourism on Economy	3	February Week 2	
	Ecotourism	3	February Week 2	
4.	Environmental Movement and Management			13
	Environmental Movements	2	February Week 3	
	Environmental Management: Concept, Need and Relevance	1	February Week 3	
	Concept of ISO14000 and 16000	2	February Week 3	
	Carbon Bank and Carbon Credit	2	February Week 3	

	EIA: Concept and steps	1	February Week 4	
	Ecological Footprint	1	February Week 4	
	Environmental Protection Acts: Air Act, Water Act and EPA	2	February Week 4	
	Geospatial technology and its application in Environmental management: GIS and GPS	2	March Week 1	
5.	Map Filling			12
	Map Filling of Kokan: Introduction of all districts	1	March Week 1	
	Map Filling of Kokan: Features on map	4	March Week 2	
	Map Filling of Mumbai: Introduction to all regions	1	March Week 3	
	Map Filling of Mumbai: Features on map	4	March Week 4	
	Map filling practice	2	April Week 1	
	Revision		April Week 2	
				60

Lesson Plan 2020-2021(First Half)

Name: Vaishali S. Behere

F.Y. BAF - Financial Management - I			
Sr. No.	Topic	No. of Lectures	Month
1	Introduction to Financial Management	9	August
2	Concept of Valuation	12	August-September
3	Leverage	12	September
4	Types of Financing	12	October
5	Cost of Capital	15	November

T.Y.BMS- FINANCIAL ACCOUNTING			
Sr. No.	Topic	No. of Lectures	Month
1	Preparation of Final Accounts of companies	13	August
2	Underwriting of Shares and Debentures	13	August-September
3	Accounting for transactions of foreign Currency	13	September-October
4	Investment Accounting	13	October
5	Ethical Behaviour and Implications for Accountants	8	November

T.Y. BAF - Financial Accounting V			
Sr. No.	Topic	No. of Lectures	Month
1	Underwriting of Shares and Debentures	12	August
2	Buy Back of Shares	12	August-September
3	Amalgamation of Companies	15	September
4	Internal Reconstruction	12	October
5	Liquidation Of Companies	9	November

T.Y. BAF - Cost Accounting			
Sr. No.	Topic	No. of Lectures	Month
1	Uniform Costing and Inter firm Comparison	5	August
2	Cost Accounting System: Integrated	10	August
3	Cost Accounting System: Non- Integrated	10	September
4	Operating Costing	13	September-October
5	Process Costing	12	October
6.	Activity Based Costing System	10	November

S.Y. BAF - Cost Accounting			
Sr. No.	Topic	No. of Lectures	Month
1	Classification of Cost and Cost sheets	15	August
2	Reconciliation of Cost and Financial Accounts	15	September
3	Contract Costing	15	October
4	Process Costing	15	November

S.Y. BMS – Cost Accounting			
Sr. No.	Topic	No. of Lectures	Month
1	Introduction: Cost Accounting	5	August
2	Introduction: Process and Job Costing	5	August
3	Elements of Cost: Material Costing	8	August-September
4	Elements of Cost: Labor Costing	8	September
5	Elements of Cost: Overhead Costing	8	September-October
6	Cost Projection: Cost sheets	8	October
7	Cost Projection : Reconciliation of Cost and Financial Accounts	8	October
8	Emerging Cost Concepts: Uniform Costing And Inter firm Comparison	5	November
9	Emerging Cost Concepts: Target Costing, Benchmarking, JIT and Balance Score Card	5	November

LESSON PLAN

SUBJECT: Linux System Administration

CLASS: TY BSC IT SEM V

SUBJECT TEACHER: Suvarna Mali

Date	Topic/practicals	Theroy
2nd Aug -4th Aug 2020	Installation of RHEL 6.X	Introduction to Red Hat Enterprise Linux: Linux, Open Source and Red Hat, Origins of Linux, Distributions, Duties of Linux System Administrator. Command Line: Working with the Bash Shell, Getting the Best of Bash, Useful Bash Key Sequences, Working with Bash History, Performing Basic File
5th Aug -8th Aug 2020	Graphical User Interface and Command Line Interface and Processes a.Exploring the Graphical Desktop b.The Command Line Interface c.Managing Processes	
9th Aug -12th Aug 2020	Storage Devices and Links, Backup and Repository a.Working with Storage Devices and Links b.Making a Backup c.Creating a Repository	System Management Tasks, Working with Directories, Piping and Redirection, Finding Files System Administration Tasks: Performing Job Management Tasks, System and Process Monitoring and Management, Managing Processes with ps, Sending Signals to Processes with the kill Command, Using top to Show Current System Activity, Managing Process Niceness, Scheduling Jobs, Mounting Devices, Working with Links, Creating Backups, Managing Printers, Setting Up System Logging, Setting Up Rsyslog, Common Log Files, Setting Up Logrotate

Date	Topic/practicals	Theory
<p>13th – 16th Aug 2020</p>	<p>Working with RPMs Storage and Networking a.Using Query Options b.Extracting Files From RPMs c.Configuring and Managing Storage d.Connecting to the Network</p>	<p>Managing Software: Understanding RPM, Understanding Meta Package Handlers, Creating Your Own Repositories, Managing Repositories,Installing Software with Yum, Querying Software, Extracting Files from RPM Packages</p>
<p>17th Aug – 20 th Aug 2020</p>	<p>Working with Users, Groups, and Permissions</p>	<p>Configuring and Managing Storage: Understanding Partitions and Logical Volumes, Creating Partitions, Creating File Systems, File Systems Overview, Creating File Systems, Changing File System Properties, Checking the File System Integrity, Mounting File Systems Automatically Through fstab, Working with Logical Volumes, Creating Logical Volumes, Resizing Logical Volumes, Working with Snapshots, Replacing Failing Storage Devices, Creating Swap Space, Working with Encrypted Volumes</p>
<p>21st Aug – 23rd Aug 2020</p>	<p>Firewall and Cryptographic services a.Securing Server with iptables b.Setting Up Cryptographic Services</p>	<p>Connecting to the Network: Understanding NetworkManager, Working with Services and Runlevels, Configuring the Network with NetworkManager, Working with system-config-network, NetworkManager Configuration Files, Network Service Scripts, Networking from the Command Line, Troubleshooting Networking, Setting Up IPv6, Configuring SSH, Enabling the SSH Server, Using the SSH Client, Using</p>

Date	Topic/practicals	Theory
		PuTTY on Windows Machines, Configuring Key-Based SSH Authentication, Using Graphical Applications with SSH, Using SSH Port Forwarding, Configuring VNC Server Access
24th Aug – 26th Aug 2020	Configuring Server for File Sharing a. Configuring NFS Server and Client	Working with Users, Groups, and Permissions: Managing Users and Groups, Commands for User Management, Managing Passwords, Modifying and Deleting User Accounts, Configuration Files, Creating Groups, Using Graphical Tools for User, and Group Management, Using External Authentication Sources, the Authentication Process, sssd, nsswitch, Pluggable Authentication Modules, Managing Permissions, the Role of Ownership, Basic Permissions: Read, Write, and Execute, Advanced Permissions, Working with Access Control Lists, Setting Default Permissions with umask, Working with Attributes
26th Aug – 30th Aug 2020	Configuring Samba	Securing Server with iptables: Understanding Firewalls, Setting Up a Firewall with system-config-firewall, Allowing Services, Trusted Interfaces, Masquerading, Configuration Files, Setting Up a Firewall with iptables, Tables, Chains, and Rules, Composition of Rule, Configuration Example, Advanced iptables Configuration, Configuring Logging, The Limit Module,

Date	Topic/practicals	Theory
		Configuring NAT
31st Aug – 3rd Sep 2020	Configuring FTP Configuring DNS	Setting Up Cryptographic Services: Introducing SSL, Proof of Authenticity: the Certificate Authority, Managing Certificates with openssl, Creating a Signing Request, Working with GNU Privacy Guard, Creating GPG Keys, Key Transfer, Managing GPG Keys, Encrypting Files with GPG, GPG Signing, Signing RPM Files
4th Sep – 11th Sep 2020	Configuring DHCP	Configuring Server for File Sharing: What is NFS? Advantages and Disadvantages of NFS, Configuring NFS4, Setting Up NFSv4, Mounting an NFS Share, Making NFS Mounts Persistent, Configuring Automount, Configuring Samba, Setting Up a Samba File Server, Samba Advanced Authentication Options, Accessing Samba Shares, Offering FTP Services.
12th sep 2020 – 14th Sep 2020	Setting Up a Mail Server	Configuring DNS and DHCP: Introduction to DNS, The DNS Hierarchy, DNS Server Types, The DNS Lookup Process, DNS Zone Types, Setting Up a DNS Server, Setting Up a Cache-Only Name Server, Setting Up a Primary Name Server, Setting Up a Secondary Name Server, Understanding DHCP, Setting Up a DHCP Server
16th sep – 25th sep 2020	Web Server a Configuring Apache on Red Hat Enterprise Linux	Setting Up a Mail Server: Using the Message Transfer Agent, the Mail Delivery Agent, the Mail User Agent, Setting Up Postfix as an SMTP Server, Working with Mutt, Basic Configuration, Internet Configuration,

Date	Topic/practicals	Theory
		Configuring Dovecot for POP and IMAP
26 th sep – 31 st sep 2020	Writing a Script to Monitor Activity on the Apache Web Server Using the select Command	Configuring Apache on Red Hat Enterprise Linux: Configuring the Apache Web Server, Creating a Basic Website, Understanding the Apache Configuration Files, Apache Log Files, Working with Virtual Hosts, Securing the Web Server with TLS Certificates, Configuring Authentication, Setting Up Authentication with .htpasswd, Configuring LDAP Authentication, Setting Up MySQL
1st Oct – 10th Oct 2020	Shell Scripts and High-Availability Clustering a. Writing Shell Scripts b. Configuring Booting with GRUB c. Configuring High Availability Clustering	Introducing Bash Shell Scripting: Introduction, Elements of a Good Shell Script, Executing the Script, Working with Variables and Input, Understanding Variables, Variables, Subshells, and Sourcing, Working with Script Arguments, Asking for Input, Using Command Substitution, Substitution Operators, Changing Variable Content with Pattern Matching, Performing Calculations, Using Control Structures, Using if...then...else, Using case, Using while, Using until, Using for, Configuring booting with GRUB.
15th Oct – 30 th Oct 2020	Setting Up an Installation Server a. Configuring Network Server as an Installation Server b. Setting Up a TFTP and DHCP Server for PXE Boot	High-Availability Clustering: High-Availability Clustering, The Workings of High Availability, High-Availability Requirements, Red Hat High-Availability Add-on Software, Components, Configuring Cluster-Based Services, Setting Up Bonding, Setting Up Shared Storage, Installing the Red

Date	Topic/practicals	Theory
		Hat High Availability Add-On, Building the Initial State of the Cluster, Configuring Additional Cluster Properties, Configuring a Quorum Disk, Setting Up Fencing, Creating Resources and Services, Troubleshooting a Nonoperational Cluster, Configuring GFS2 File Systems
30th Oct to 7th Nov 2020	Revision of all practical's	Setting Up an Installation Server: Configuring a Network Server as an Installation Server, Setting Up a TFTP and DHCP Server for PXE Boot, Installing the TFTP Server, Configuring DHCP for PXE Boot, Creating the TFTP PXE Server Content, Creating a Kickstart File, Using a Kickstart File to Perform an Automated, Installation, Modifying the Kickstart File with, system-config-kickstart, Making Manual Modifications to the Kickstart File
16th nov to 28th Nov 2020	Revision of all units/practicals	Revision of all Units

SESSION PLAN TYBSC IT SEM V - 2020-21

SUB: LINUX ADMINISTRATION

MS. SRABANI GANGULI

DATE	TOPIC	REMARKS	NO OF LECTURES
3 rd August 8 th August 2020	Unit 1- Introduction to Red Hat Enterprise Linux: Linux, Open Source and Red Hat, Origins of Linux, Distributions, Duties of Linux System Administrator. Command Line: Working with the Bash Shell, Getting the Best of Bash, Useful Bash Key Sequences, Working with Bash History, Performing Basic File System Management Tasks, Working with Directories, Piping and Redirection, Finding Files	Students are required to execute all bash commands as machine room exercise	4
10 th -16 th August 2020	System Administration Tasks: Performing Job Management Tasks, System and Process Monitoring and Management, Managing Processes with ps, Sending Signals to Processes with the kill Command, using top to Show Current System Activity, Managing Process Niceness, Scheduling Jobs, Mounting Devices, Working with Links, Creating Backups, Managing Printers, Setting Up System Logging, Setting Up Rsyslog, Common Log Files, Setting Up Logrotate	Students will observe role of system administrator and understand system processes and files.	4
17 th -22 nd august 2020	Managing Software: Understanding RPM, Understanding Meta Package Handlers, Creating Your Own Repositories, Managing Repositories, Installing Software with Yum, Querying Software, Extracting Files from RPM Packages	Students will also able to work with RPM to install different packages.	4
24 th August - 29 th August 2020	Unit II: Configuring and Managing Storage: Understanding Partitions and Logical Volumes, Creating Partitions, Creating File Systems, File Systems Overview, Creating File Systems, Changing File System Properties, Checking the File System Integrity, Mounting File Systems Automatically Through fstab, Working with Logical Volumes, Creating Logical Volumes, Resizing Logical Volumes, Working with Snapshots, Replacing Failing Storage Devices, Creating Swap Space, Working with Encrypted Volumes	Students will study linux file system, partitioning and volumes of hard disks	4
31 st Aug- 5 th September 2020	Connecting to the Network: Understanding NetworkManager, Working with Services and Runlevels, Configuring the Network with NetworkManager, Working with system-config-network, NetworkManager Configuration Files, Network Service Scripts, Networking from the Command Line, Troubleshooting Networking, Setting Up IPv6, Configuring SSH, Enabling the SSH	Networking concepts	4

DATE	TOPIC	REMARKS	NO OF LECTURES
	Server, Using the SSH Client, Using PuTTY on Windows Machines, Configuring KeyBased SSH Authentication, Using Graphical Applications with SSH, Using SSH Port Forwarding, Configuring VNC Server Access		
7 th -12 th September 2020	Working with Users, Groups, and Permissions: Managing Users and Groups, Commands for User Management, Managing Passwords, Modifying and Deleting User Accounts, Configuration Files, Creating Groups, Using Graphical Tools for User, and Group Management, Using External Authentication Sources, the Authentication Process, sssd, nsswitch, Pluggable Authentication Modules, Managing Permissions, the Role of Ownership, Basic Permissions: Read, Write, and Execute, Advanced Permissions, Working with Access Control Lists, Setting Default Permissions with umask, Working with Attributes	Working with users, creating users, groups , understand file permissions. User management	4
14 th -19 th September 2020	Unit III: Securing Server with iptables: Understanding Firewalls, Setting Up a Firewall with system-config-firewall, Allowing Services, Trusted Interfaces, Masquerading, Configuration Files, Setting Up a Firewall with iptables, Tables, Chains, and Rules, Composition of Rule, Configuration Example, Advanced iptables Configuration, Configuring Logging, The Limit Module, Configuring NAT	Network services and ip tables.	4
21 st -26 th September 2020	Setting Up Cryptographic Services: Introducing SSL, Proof of Authenticity: The Certificate Authority, Managing Certificates with openssl, Creating a Signing Request, Working with GNU Privacy Guard, Creating GPG Keys, Key Transfer, Managing GPG Keys, Encrypting Files with GPG, GPG Signing, Signing RPM Files		4
28 th September -3 rd October 2020	Configuring Server for File Sharing: What is NFS? Advantages and Disadvantages of NFS, Configuring NFS4, Setting Up NFSv4, Mounting an NFS Share, Making NFS Mounts Persistent, Configuring Automount, Configuring Samba, Setting Up a Samba File Server, Samba Advanced Authentication Options, Accessing Samba Shares, Offering FTP Services	Configuring different servers	4
5 th Oct- 10 th Oct 2020	Unit IV: Configuring DNS and DHCP: Introduction to DNS, The DNS Hierarchy, DNS Server Types, The DNS Lookup Process, DNS Zone Types, Setting Up a DNS Server, Setting Up a Cache-Only Name Server, Setting Up a Primary Name Server, Setting Up a Secondary Name Server, Understanding DHCP, Setting Up a DHCP Server		4
12 th Oct- 17 th Oct	Setting Up a Mail Server: Using the Message Transfer Agent, the Mail Delivery Agent, the Mail		4

DATE	TOPIC	REMARKS	NO OF LECTURES
2020	User Agent, Setting Up Postfix as an SMTP Server, Working with Mutt, Basic Configuration, Internet Configuration, Configuring Dovecot for POP and IMAP		
19 th Oct-24 th Oct 2020	Configuring Apache on Red Hat Enterprise Linux: Configuring the Apache Web Server, creating a Basic Website, Understanding the Apache Configuration Files, Apache Log Files, Working with Virtual Hosts, Securing the Web Server with TLS Certificates, Configuring Authentication, Setting Up Authentication with .htpasswd, Configuring LDAP Authentication, Setting Up MySQL		4
9 th Nov-14 th Nov 2020	Unit V: Introducing Bash Shell Scripting: Introduction, Elements of a Good Shell Script, Executing the Script, Working with Variables and Input, Understanding Variables, Variables, Subshells, and Sourcing, Working with Script Arguments, Asking for Input, Using Command Substitution, Substitution Operators, Changing Variable Content with Pattern Matching, Performing Calculations, Using Control Structures, Using if...then...else, Using case, Using while, Using until, Using for, Configuring booting with GRUB		4
16th Nov-21st Nov 2020	High-Availability Clustering: High-Availability Clustering, The Workings of High Availability, High-Availability Requirements, Red Hat High-Availability Add-on Software, Components, Configuring Cluster-Based Services, Setting Up Bonding, Setting Up Shared Storage, Installing the Red Hat High Availability Add-On, Building the Initial State of the Cluster, Configuring Additional Cluster Properties, Configuring a Quorum Disk, Setting Up Fencing, Creating Resources and Services, Troubleshooting a Nonoperational Cluster, Configuring GFS2 File Systems		4
23rd Nov-28th Nov 2020	Setting Up an Installation Server: Configuring a Network Server as an Installation Server, Setting Up a TFTP and DHCP Server for PXE Boot, Installing the TFTP Server, Configuring DHCP for PXE Boot, Creating the TFTP PXE Server Content, creating a Kickstart File, Using a Kickstart File to Perform an Automated, Installation, Modifying the Kickstart File with, system-config-kickstart, Making Manual Modifications to the Kickstart File		4

RAMANAND ARYA D.A.V. COLLEGE
SELF – FINANCING COURSES
TEACHING PLAN 2020-21

Name of the faculty: **Swati K Sheyte**

Name of the Course and semester: **TYBAF Sem V**

Subject: **Management Applications**

Month	Portion to be completed	No. of lectures
September	Marketing Management Meaning and Definition of Marketing – 4 Ps of Marketing, Importance Product Management – Meaning & Definition – Product Development Strategies, Product life cycle, Branding- Meaning, Factors influencing branding Price Management – Meaning and Definition – Factors affecting pricing decisions, Pricing Strategies Place (Distribution) Management – Meaning and Definition – Factors Governing Distribution Decisions – Types of Distribution Channels Promotion Management – Meaning – Promotion Strategies, Integrated marketing communication Case studies based on the above topics	16
October	Production Management Meaning and Definition of Production Management – Scope of Production Management, Steps in Production Planning and Control Meaning of Productivity - Measurement of Productivity – Measure to increase Productivity – Productivity Movement in India Meaning and Definition of Quality Management – TQM – Quality Circles – ISO 9000/14000 Inventory Management – Meaning and Methods Case studies based on the above topics	15
November	Human Resource Management Human Resource Management – Meaning, Nature, Functions of Human Resource Management Human Resource Planning- Meaning, Process of Human Resource Planning Human Resource Development- Methods of Developing Human Resource Performance Appraisal – Meaning and Definition – Traditional and Modern Methods of Appraisal Employee retention Leadership- Traits, Styles Motivation- Factors of Motivation, Theories of Motivation- Maslow’s Theory, Douglas MacGregor’s Theory X and Theory Y Case studies based on the above topics	16
December	Financial Management Meaning and Definition of Financial Management – Functions of Financial Management Capital Budgeting- Introduction, Importance and Process Capital Structure- Meaning, Factors affecting Capital Structure Capital Market – Meaning and Constituents – Functions Fundamental Analysis – Technical Analysis - Venture Capital – DEMAT Account - Futures and Options Case studies based on the above topics	13
	Total	60

Name of the teacher: Swati K Shetye

Signature:

Co-ordinator

Principal

LESSON PLAN

SUBJECT: Mobile Programming Practical's

CLASS: SY BSC IT SEM III

SUBJECT TEACHER: Suvarna Mali

Date	Topic
2nd Aug - 4th Aug 2020	Setting up CORDOVA, PhoneGAP Project and environment. 1
5th Aug - 8th Aug 2020	<ul style="list-style-type: none">• Creating and building simple “Hello World” App using Cordova• Adding and Using Buttons• Adding and Using Event Listeners
9th Aug - 12th Aug 2020	<ul style="list-style-type: none">• Creating and Using Functions• Using Events• Handling and Using Back Button
13th – 16th Aug 2020	<ul style="list-style-type: none">• Installing and Using Plugins• Installing and Using Battery Plugin
17th Aug – 20 th Aug 2020	<ul style="list-style-type: none">• Installing and Using Camera Plugin• Installing and Using Contacts Plugin
21st Aug – 23rd Aug 2020	<ul style="list-style-type: none">• Installing and Using Device Plugin• Installing and Using Accelerometer Plugin
24th Aug – 26th Aug 2020	<ul style="list-style-type: none">• Install and Using Device Orientation plugin• Install and Using Device Orientation plugin
26th Aug – 30th Aug 2020	<ul style="list-style-type: none">• Create and Using Prompt Function• Installing and Using File Plugin
31st Aug – 3rd Sep 2020	<ul style="list-style-type: none">• Installing and Using File Transfer Plugin• Using Download and Upload functions
4th Sep – 11th Sep	<ul style="list-style-type: none">• Installing and Using Globalization Plugin• Installing and Using Media Plugin

Date	Topic
2020	
12th sep 2020 – 14th Sep 2020	<ul style="list-style-type: none"> • Installing and Using Media Capture Plugin • Installing and Using Network Information Plugin
16th sep – 25th sep 2020	<ul style="list-style-type: none"> • Installing and Using Splash Screen Plugin • Installing and Using Vibration Plugin
26th sep – 31st sep 2020	<ul style="list-style-type: none"> • Developing Single Page Apps • Developing Multipage Apps
1st Oct – 10th Oct 2020	<ul style="list-style-type: none"> • Storing Data Locally in a Cordova App • Use of sqlite plugin with PhoneGap / apache Cordova
15th Oct – 20 th Oct 2020	<ul style="list-style-type: none"> • Using Sqlite read/write and search • Populating Cordova SQLite storage with the JQuery API
30th Oct to 7th Nov 2020	Revision of all practical's

RAMANAND ARYA D.A.V. COLLEGE
SELF – FINANCING COURSES
TEACHING PLAN 2020-21

Name of the faculty: **Swati K Sheyte**

Name of the Course and semester: **TYBFM Sem VI**

Subject: **Organisational Behaviour**

Month	Portion to be completed	No. of lectures
January	Introduction to Organisation Behaviour <ul style="list-style-type: none"> • Organisational Behaviour- Organisational Behaviour Multidiscipline Different model of Organisational Behaviour- Individual behaviour is studied through Perception- Personality - Values- Attitudes- Job satisfaction- Motivation- Learning • Understanding self studied through- Perception and Personality • Understanding self studied through- Values and Attitudes	10
February	Understanding Others: Interpersonal relationships <ul style="list-style-type: none"> • Conflict Management –Nature of Conflict- Level of Conflict- Source of Conflict- Effects of Conflict- Process of Conflict- Stages of Conflict- Conflict Handling Orientations • Power and Organisational Politics-Sources of Power-Organisational Politics- Influence and Political Power 	15
March	Group Behaviour and Group Dynamics <ul style="list-style-type: none"> • Group Behaviour, Informal Groups – Group Dynamics- Types of Groups Nature and effects of Informal groups-Benefits of Informal groups-Formal groups –Monitoring informal organisation- Identifying and Rewarding Informal leader-Key Roles of Informal leader –Are there Multiple informal leaders? Formal Groups- Potential Outcomes of Informal Group Processes	16
April	Stress Management, Change and Team Building <ul style="list-style-type: none"> • Stress Management and Counselling- How it Comes About –How it Affects Various Elements of Job Performance- Extreme Product of Stress- Stress and Job Performance-Approaches to Stress Management-Characteristic of Counselling-Types of Counselling • Change and its Effects- Nature of Change – Effect of Change – Response to Change – Resistance to change – Reasons for Resistance to Change Transformational Leadership and Change-What are Elements of Transformational Leadership- Three stage model of changes Process • Team and Team Building- Modern organisation- Outcomes of Modern Organisation- Team work – Task team- Difference Between Groups and Teams- Life cycle of Team –Major Factors for Effective Teams- Team Building- Need for Team building- Team Building Process- Skills Useful in Team Building 	13
	Total	54

Name of the teacher: Swati K Shetye

Signature:

Co-ordinator

Principal

RAMANAND ARYA D.A.V. COLLEGE
SELF – FINANCING COURSES
TEACHING PLAN 2020-21

Name of the faculty: **Swati K Sheyte**

Name of the Course and semester: **TYBMS Sem VI**

Subject: **Organisational Development**

Month	Portion to be completed	No. of lectures
January	Organisational Development – An Overview a) Organisational Development – An Overview: • Organisational Development – Meaning, Features, Evolution, Components, Objectives, Principles, Process, Importance • Relevance of Organisational Development for Managers, OD- HRD Interface, Participation of Top Management in OD • OD Practitioner – Meaning, Role of OD Practitioner, Competencies of an OD Practitioner • Emerging Trends in OD • OD in Global Setting	10
February	Organisational Diagnosis, Renewal and Change a) Organisational Diagnosis, Renewal and Change: • Organisational Diagnosis - Meaning, Need, Phases, Levels of Organisational Diagnosis, Techniques of Organisational Diagnosis, Tools used in Organisational Diagnosis • Organizational Renewal, Re-energising, OD and Business Process ReEngineering (BPR), OD and Leadership Development • Organisational Change- Meaning, Organisational Life Cycle, Planned Change, Organizational Growth and its Implication for Change • Change Agents- Meaning, Features, Types, Role, Skills required	15
March	OD Interventions a) Managing Expatriation and Repatriation • OD Interventions- Meaning, Features, Factors Affecting Success of Interventions, Steps in OD Interventions • Types of Interventions- Human Resource Intervention, Structural Intervention, Strategic Interventions, Third Party Peace Making Intervention • Techniques of OD Intervention : ♣ Traditional: Sensitive Training, Grid Training, Survey Feedback. ♣ Modern : Process Consultation, Third Party, Team Building, Transactional Analysis • Evaluation of OD Interventions : Process, Types, Methods, Importance	16
April	OD Effectiveness a) OD Effectiveness: • Issues Faced in OD- Issues Related to Client Relationship, Power-Individual skills and Attributes as a Source of Power, Power and Influence Tactics, Politics and OD • Values in OD – Meaning, Professional Values, Value Conflict and Dilemma • Ethics in OD – Meaning, Factors Influencing Ethical Judgement, Ethical Guidelines for OD Professionals • Organisational Effectiveness- Meaning , Effectiveness v/s Efficiency, Approaches of Organisational Effectiveness : Goal Approach, System Resource Approach, Strategic Constituency Approach, Internal Process Approach; Parameters for Judging Organisational Effectiveness, Ways to Enhance Organisational Effectiveness	13

	Total	54
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Name of the teacher: Swati K Shetye

Signature:

Co-ordinator

Principal

LESSON PLAN

SUBJECT: Object Oriented Programming

CLASS: FY BSC IT SEM II

SUBJECT TEACHER : Suvarna Mali

DATE	TOPIC	No.Of Lectures	No.Of Practicals
2 nd Jan 2021 – 8 th Jan 2021	Classes and Objects: Simple classes (Class specification, class members accessing), Defining member functions, passing object as an argument, Returning object from functions, friend classes, Pointer to object, Array of pointer to object.	4	2
9 th Jan 2021 – 18 th Jan 2021	Constructors and Destructors: Introduction, Default Constructor, Parameterized Constructor and examples, Destructors	4	2
19 th Jan 2021 – 25 th Jan 2021	Polymorphism: Concept of function overloading, overloaded operators, overloading unary and binary operators	4	2
27 th Jan 2021 – 31 st Jan 2021	overloading comparison operator, overloading arithmetic assignment operator, Data Conversion between objects and basic types Virtual Functions: Introduction and need, Pure Virtual Functions, Static Functions, this Pointer, abstract classes, virtual destructors.	4	2
1 st Feb 2021 – 8 th Feb 2021	Program development using Inheritance: Introduction, understanding inheritance, Advantages provided by inheritance, choosing the access specifier,	4	2
10 th Feb 2021 – 18 th Feb 2021	Derived class declaration, derived class constructors, class hierarchies, multiple inheritance, multilevel inheritance, containership, hybrid inheritance.	4	2
19 th Feb 2021 – 28 th Feb 2021	Exception Handling: Introduction, Exception Handling Mechanism, Concept of throw & catch with example	4	2
1 st March 2021 – 8 th March 2021	Object Oriented Methodology: Introduction, Advantages and Disadvantages of Procedure Oriented Languages, what is Object Oriented?	4	2
9 th March 2021 – 10 th March 2021	What is Object Oriented Development? Object Oriented Themes, Benefits and Application of OOPS. Principles of OOPS:	4	2
11 st March 2021 – 18 st March 2021	OOPS Paradigm, Basic Concepts of OOPS: Objects, Classes, Data Abstraction and Data Encapsulation, Inheritance, Polymorphism, Dynamic Binding, Message Passing	4	2
18 th March 2021 –	Templates: Introduction, Function Template	4	2

20 th March 2021	and examples		
26 th March – 15 th April 2021	Class Template and examples. Working with Files:	4	2
15 th April – 30 th April 2021	Working with Files: Introduction, File Operations, Various File Modes, File Pointer and their Manipulation	4	2
1 st May – 5 th May 2021	Revision of all Units	4	2

TEACHING PLAN

SEM : I 2020-21 CLASS: F.Y.B.Sc.I.T. SUBJECT : Operating Systems Teacher: Ms. Srabani Ganguli

DATE	TOPIC	NO OF LECTURES	Practical
1st September -15th September 2020	Unit I Introduction What is OS, History, Computer hardware, OS concept, System Calls	4	2
17th September -30th September 2020	OS structures and Types Processes and threads Structures	4	2
1st October – 7th October 2020	Scheduling IPC problem	4	2
9 th October – 13 th October 2020	Unit II Memory Management Address Space, Memory abstraction, Virtual Memory, Page, Paging algorithms, implementation Issues Segmentation	4	2
15 th October – 26 th October 2020	File System Files, Directories, File system Implementation	4	2
27 th October – 4th November 2020	File system Management, CD ROM files, UNIX files Ms-DOS file system	4	2
5 th November 2019 – 7 th November 2020	Unit III Input- Output Principles, I/O software I/O Hardware User Interfaces keyboard, mouse, monitor	4	2
8 th November – 10 th November 2020	Thin clients, Power management	4	2
11 th November – 14 th November 2020	Deadlocks Introduction , recovery, Deadlock detection, Avoidance Deadlock prevention and Issues.	4	2
15 th November – 17 th November 2020 18 th November – 22 nd November 2020	Unit IV Virtualization and cloud Type 1 and 2 hypervisors, Memory Virtualization Virtual Machines, Clouds	4	2
23 rd November to 25 th November 2020	Multi processor system, multicomputer, Distributed System	4	2
26 th November to 27 th November 2020	Unit V Case study on Linux and Android, Memory management, I/O System, Security	4	2
28 th November to 30 th November – 2020	Case study on Windows Processes and threads, memory management, I/O management File system.	4	2

LESSON PLAN SUBJECT: Python Programming

Class:S.Y.B.Sc.I.T SEM : III

SUBJECT TEACHER: Suvarna Mali

Date	Unit	Topic	No Of Lectures	Practical's
2nd Aug - 4 th Aug 2020	Unit-I	Introduction: The Python Programming Language, History, features, Installing Python, Running Python program, Debugging : Syntax Errors, Runtime Errors, Semantic Errors, Experimental Debugging, Formal and Natural Languages, The Difference Between Brackets, Braces, and Parentheses,	4	2
5th Aug - 8 th Aug 2020		Variables and Expressions Values and Types, Variables, Variable Names and Keywords, Type conversion, Operators and Operands, Expressions, Interactive Mode and Script Mode, Order of Operations.	4	2
9th Aug - 12th Aug 2020		Conditional Statements: if, if-else, nested if –else Looping: for, while, nested loops Control statements: Terminating loops, skipping specific conditions	4	2
13th – 16th Aug 2020	Unit-II	Functions: Function Calls, Type Conversion Functions, Math Functions, Composition, Adding New Functions, Definitions and Uses, Flow of Execution, Parameters and Arguments, Variables and Parameters Are Local, Stack Diagrams,	4	2
17th Aug – 20 th Aug 2020		Fruitful Functions and Void Functions, Why Functions? Importing with from, Return Values, Incremental Development, Composition, Boolean Functions, More Recursion, Leap of Faith, Checking Types	4	2
21st Aug – 23rd Aug 2020		Strings: A String Is a Sequence, Traversal with a for Loop, String Slices, Strings Are Immutable, Searching, Looping and Counting, String Methods,	4	2

Date	Unit	Topic	No Of Lectures	Practical's
		The in Operator, String Comparison, String Operations.		
24th Aug – 26th Aug 2020	Unit-III	Lists: Values and Accessing Elements, Lists are mutable, traversing a List, Deleting elements from List, Built-in List Operators, Concatenation, Repetition, In Operator, Built-in List functions and methods	4	2
26th Aug – 30th Aug 2020		Tuples and Dictionaries: Tuples, Accessing values in Tuples, Tuple Assignment, Tuples as return values, Variable-length argument tuples, Basic tuples operations, Concatenation, Repetition, in Operator, Iteration, Built-in Tuple Functions Creating a Dictionary, Accessing Values in a dictionary, Updating Dictionary, Deleting Elements from Dictionary, Properties of Dictionary keys, Operations in Dictionary, Built-In Dictionary Functions, Built-in Dictionary Methods	4	2
31st Aug – 3rd Sep 2020		Files: Text Files, The File Object Attributes, Directories Exceptions: Built-in Exceptions, Handling Exceptions, Exception with Arguments, User-defined Exceptions	12 4	2
4th Sep – 11th Sep 2020	Unit-IV	Regular Expressions – Concept of regular expression, various types of regular expressions, using match function. Classes and Objects: Overview of OOP (Object Oriented Programming), Class Definition,	4	2
12th sep 2020 – 14th Sep 2020		Creating Objects, Instances as Arguments, Instances as return values, Built-in Class Attributes, Inheritance, Method Overriding, Data Encapsulation, Data Hiding Multithreaded Programming: Thread Module,	4	2
16th sep – 25th sep 2020		creating a thread, synchronizing threads, multithreaded priority queue	4	2

Date	Unit	Topic	No Of Lectures	Practical's
		Modules: Importing module, Creating and exploring modules, Math module, Random module, Time module		
26 th sep – 31 st sep 2020	Unit-V	Creating the GUI Form and Adding Widgets: Widgets: Button, Canvas, Checkbutton, Entry, Frame, Label, Listbox, Menubutton, Menu, Message, Radiobutton, Scale, Scrollbar, text, Toplevel, Spinbox, PanedWindow, LabelFrame, tkMessageBox. Handling Standard attributes and Properties of Widgets.	4	2
1st Oct – 10th Oct 2020		Layout Management: Designing GUI applications with proper Layout Management features. Look and Feel Customization: Enhancing Look and Feel of GUI using different appearances of widgets.	4	2
15th Oct – 20 th Oct 2020		Storing Data in Our MySQL Database via Our GUI : Connecting to a MySQL database from Python, Configuring the MySQL connection, Designing the Python GUI database, Using the INSERT command, Using the UPDATE command, Using the DELETE command, Storing and retrieving data from MySQL database.	4	2
30th Oct to 7 th Nov 2020		Revision of all units		

SUBJECT: Risk Management

NAME: NAGARAJ ARABHAVI

CLASS : TYBFM

SEM :VI

Sr. No.	Modules / Units	No of lec
1	Introduction to Risk Management	15
	<ul style="list-style-type: none">• The Concept of Risk, Identification of Risk faced by Organization• Risk and Uncertainty, Strategic and Operational Risks• Dynamic Nature of Risks• Business Risk• Financial Risk faced by Organization• Objectives of Risks Management• Process of Risk Management	•
2	Evaluation of Risk	15
	<ul style="list-style-type: none">• Evaluation of Organization's ability to bear them• Risk Measurement• Sources and Impact of Common Business Risk Market, Credit , Liquidity, Technological, Legal Environmental, Reputation, Country Risk• Identify and assess the impact upon the stakeholder involved in Business Risk• Nature and Importance of Financial Risk, Evaluation of Financial Risk, Evaluation of Alternative Risk Management Tools• Role of Risk Manager and Risk Committee in identifying and managing risk	•
3	Foreign Exchange Risk	15

	<ul style="list-style-type: none"> • Forex Market • Identifying and Analyzing Forex Risk • Managing Forex Risk 	•
4	Exchange Rate Risk	15
	<ul style="list-style-type: none"> • Interest Rate Market and Mathematics • Identifying and Analyzing Interest Rate Risk • Measuring Interest Rate Risk 	•

RAMANAND ARYA D.A.V. COLLEGE
SELF – FINANCING COURSES
TEACHING PLAN 2020-21

Name of the faculty: **Swati K Sheyte**

Name of the Course and semester: **SYBMS Sem IV**

Subject: **Research Methodology in Accounting and Finance**

Month	Portion to be completed	No. of lectures
January	Introduction to Research Introduction and Meaning of Research, Objectives of Research, Features and Importance of Research in Accounting and Finance, Objectives and Types of Research - Basic, Applied, Descriptive, Analytical and Empirical Research. Formulation of Research Problem : Meaning and Selection Review of Literature	15
February	Research Design in Accounting and Finance Meaning of Introduction, Need, and Good Research design. Hypothesis : Formulation, Sources, Importance and Types Different Research designs	15
March	Data Collection and Processing Data Collection : Introduction and Meaning, Types of Data Primary Data : Observation, Experimentation, Interview, Schedules, Survey, Questionnaires, Limitations of Primary Data Secondary Data : Sources and Limitations Factors affecting the choice of method of data collection Sampling : Significance, Methods, Factors determining sample size Data Presentation : Significance in Research, Stages in Data Processing : Editing, Coding, Classification, Tabulation, Graphic Presentation Statistical Analysis : Tools and Techniques, Measures of Central Tendency, Measures of Dispersion, Correlation Analysis and Regression Analysis. Use of Computer and Internet in Data Collection and Processing	15
April	Interpretation and Report Writing Meaning and Techniques of Interpretation, Research Report Writing : Importance, Essentials, Structure/Layout, Types	15
	Total	60

Name of the teacher: Swati K Shetye

Signature:

Co-ordinator

Principal

RAMANAND ARYA D.A.V. COLLEGE
SELF – FINANCING COURSES
TEACHING PLAN 2020-21

Name of the faculty: **Swati K Sheyte**

Name of the Course and semester: **TYBBI Sem V**

Subject: **Research Methodology**

Month	Portion to be completed	No. of lectures
September	Introduction to Research <ul style="list-style-type: none"> • Meaning, Objectives and Importance of Research • Types of Research • Research Process. • Characteristics of Good Research • Hypothesis- Meaning, Nature, Significance, Types and Sources. • Research Design– Meaning, Definition, Need and Importance, Steps, Scope and Essentials of a Good Research Design. • Sampling– a) Meaning of Sample and Sampling, b) Methods of Sampling i) Non-Probability Sampling– Convenient, Judgment, Quota, Snow ball ii) Probability– Simple Random, Stratified, Cluster, Multi Stage. 	16
October	Data Collection and Processing <ul style="list-style-type: none"> • Types of Data and Sources-Primary and Secondary Data Sources • Methods of Collection of Primary data a. Observation- i) structured and unstructured, ii) disguised and undisguised, iii) mechanical observations (use of gadgets) b. Experimental i) Field ii) Laboratory c. Interview – i) Personal Interview ii) focused group, iii) in- depth interviews Method d. Survey– Telephonic survey, Mail, E-mail, Internet survey, Social media, and Media listening. e. Survey instrument– i) Questionnaire designing. a. Types of questions– i) structured/close ended and ii) unstructured/ open ended, iii) Dichotomous, iv) Multiple Choice Questions. b. Scaling techniques- i) Likert scale, ii) Semantic Differential scale 	15
November	Data Analysis and Interpretation <ul style="list-style-type: none"> • Processing of Data– Meaning & Essentials of i) Editing ii) Coding iii) Tabulation • Analysis of Data-Meaning, Purpose, Types. • Interpretation of Data-Essentials, Importance, Significance and Descriptive Analysis • Testing of hypothesis– One Sample T- Test, ANOVA, F- test, Chi Square and Paired Sample Test Advanced Statistical Techniques Introduction, Characteristics and Application of • Correlation and Regression Analysis • Factor Analysis • Cluster Analysis • Discriminant Analysis • Multidimensional Scaling 	16
December	Research Report • Report writing – i) Meaning, Importance, Structure, Types, Process and Essentials of a Good Report.	13
	Total	60

Name of the teacher: Swati K Shetye

Signature:

Co-ordinator

Principal

Teaching Plan

Department of Accountancy Year: 2020-2021

Class: Third Year B. Com

Div: A, B, C and D

Faculty:

Dr. Ravindra N. Naik

Course : Financial Accounting

Semester V

Month of AUGUST 2020

Module 1: Preparation of Financial Statements of Accounts

Relevant Provisions of Companies Act related to Preparation of Final Accounts

Preparation of Financial Statements as per Companies Act

AS 1 in relation to Final Accounts of Companies (Disclosure of Accounting Policies)

Adjustments for -

1. Closing Stock
2. Depreciation
3. Outstanding Expenses and Incomes
4. Prepaid Expenses and Pre-received Income
5. Proposed Dividened and Unclaimed Dividened
6. Provision for Tax and Advance Tax
7. Bill of Exchange (Endorsement, Honour, Dishonour)
8. Capital Expenditure included in Revenue Expenditure and vice versa e.g. -
Purchase of Furniture included in Purchase
9. Unrecorded Sales and Purchases
10. Goods sold on sale or return Basis
11. Managerial Remuneration on Net Profit Before Tax
12. Transfer to reserves
13. Bad Debts and Provision for Bad Debts
14. Calls in Arrears
15. Loss by Fire
16. Goods Distributed as Free Samples
17. Any other adjustments as per the prevailing accounting standards

Month of SEPTEMBER 2020

Module 2: Internal Reconstruction

Need for Reconstruction and Company Law Provisions

Distinction between Internal and External Reconstruction

Methods including alteration of Share Capital, Variation of Shareholder Rights, Sub-division, Consolidation, Surrender and Reissue/Cancellation,

Reduction of Share Capital with relevant legal provisions and accounting treatment for same

Month of OCTOBER 2020

Module 3: Buyback of Shares

Company Law/Legal provisions (including related restrictions, power, transfer to CRR Account and Prohibitions

Compliance of conditions including sources, Maximum Limits and Debt Equity ratio.

Cancellation of Shares Bought back (excluding Buy back of minority Shareholding)

Month of NOVEMBER 2020

Module 4: Investments Accounting (w.r.t. Accounting Standard - 13)

For Shares (Variable income bearing securities)

For Debentures/Preference Shares (Fixed income bearing securities)

Accounting for Transactions of Purchases and Sale of Investments with Ex and Cum Interest Prices and Finding Cost of

Investments sold and Carrying Cost as per Weighted Average Method (Excluding Brokerage)

Columnar Format for Investments Accounts

Month of DECEMBER 2020

Module 5: Ethical Behaviour and implications for Accountants

Introduction, Meaning of Ethical Behaviour

Financial Reports-What is the Link Between Law, Corporate Governance, Corporate Social Responsibility and Ethics ?

What does the Accounting Profession mean by the Ethical Behaviour ?

Implications of Ethical Values for the Principles versus Rule based Approaches to Accounting Standards

The Principle based approach and ethics

The Accounting Standard setting process and ethics

The IFAC code of ethics for professional accountants

Ethics in accounting work environment - A research report

Implications of Unethical behaviour for financial reports

Company code of ethics

The increasing role of whistleblower

Why should student learn ethics ?

Teaching Plan

Department of Accountancy Year: 2020-2021

Class: Third Year B. Com

Div: A, B, C and D

Faculty:

Dr. Ravindra N. Naik

Course : Financial Accounting

Semester VI

Month of JANUARY 2021

Module 1: AS-14- Amalgamation, Absorption and External Reconstruction

Meaning and Computation of Purchase Considerations

Problems based on Purchase Method Only

Month of FEBRUARY 2021

Module 2: Accounting of Transactions of Foreign Currency

In relation to purchase of goods, services and assets and loan and credit transactions

Computation and Treatment of Exchange Rate Differences

Month of MARCH 2021

Module 3: Liquidation of Companies

Meaning and Liquidation of Winding Up

Preferential Payments

Overriding Preferential Payments

Preparation of Statement of Affairs, Defecit/Surplus Account

Liquidator's Final Statements of Account

Month of APRIL 2021

Module 4: Underwriting of Shares and Debentures

Introduction, Underwriting, Underwriting Commission

Provisions of Companies Act with respect to payment of Underwriting Commission

Underwriters, Sub-Underwriters, Brokers and Manager to Issues

Types of Underwriting, Abatement Clause
Marked, Unmarked and Firm Underwriting Applications,
Liability of the Underwriters in respect of Underwriting Contract
Practical problems

Month of MAY 2021

Module 5: Accounting For Limited Liability Partnership

Statutory Provisions

Conversion of Partnership Firm into LLP

Final Accounts

Teaching Plan of Faculty

Name : Shruti Gokhale

Year : 2020-2021

Class : SYBAF (Sem III)

Subject: IT in Accountancy & finance-I

Month	Module No.	Name of Topic	No. Of lectures	Book for reference	Teaching Method
August	1	History of Computers Parts of Computers Hardware: Specifications and Data Storage	7	Vipul Prakashan, Seth Publisher,	Lecture cum Discussion
		Management Softwares: Concept of System Software and Applications Networking: Introduction and types of network topologies	8	Vipul Prakashan, Seth Publisher,	Lecture cum Discussion & Class Presentation
August	2	MS Word: Creating, Editing, Formatting and Printing of Documents, Using Tools, Mail merge and Print Review and Set-up MS Excel: Creating Worksheet, Creating Various Formulae, Creating Charts, Rename and Copy of Worksheets, Using Tools, Printing Review and Set-up	5	Vipul Prakashan, Seth Publisher,	Lecture cum Discussion
		Power Point: Create Project Report, Create Slides, Animation, Page Designing, Insert Image, View Page, and Print Review and Set-up. Use of	5	Vipul Prakashan	Lecture cum Discussion
		Tools In Accounting :- Preparation of vouchers, invoices and reports, Calculation of Interest, Depreciation, TDS, Salary, Taxes, inventory	5	Vipul Prakashan	Lecture cum Discussion

Sept.	3 -4	Use of Various Web Browser Information Searching Tools Downloading Create New email ID Sending Data through email	12	Vipul Prakashan, Seth Publisher,	Lecture cum Discussion
		Introduction – Internet components – electronic commerce – e-commerce applications – Electronic Data	3	Vipul Prakashan, Seth Publisher,	Lecture cum Discussion & Class Presentation
October -Nov	4 -5	Exchange – Extranet – Payment systems – Risks and security considerations – Legal issues – Other emerging technologies	8	Vipul Prakashan, Seth Publisher,	Lecture cum Discussion & Class Presentation
		Meaning, Advantages and Limitations of E Commerce, The role of Strategy in E Commerce, Value chains in E Commerce, Infrastructure for Electronic Commerce Web Based Tools for Electronic Commerce, Electronic Commerce software, Security Threats to electronic Commerce , Implementing Security for Electronic Commerce, Electronic Payment Systems, Strategies for Marketing, Sales & Promotion Strategies for Purchasing Logistics & Support Activities, Electronic Markets & Communities, Business Plans for Implementing Electronic Commerce.	7	Vipul Prakashan, Seth Publisher,	Lecture cum Discussion & Class Presentation
		Total no. of lectures	60		

LECTURER

CO-ORDINATOR

Name : Shruti Gokhale

Year : 2020-2021

Class : SYBFM (Sem III)

Sub. : Computer skills 2

Month	Module/ Unit	Topic	Ref.	No. of lectures	Teaching method
August	I	Pivot, Advanced formulae, Lookups, Macros, Working with other programmes, Inserting a spreadsheet sheet in word document, modifying an inserted spreadsheet, Inserting a linked chart in a Word Document, Inserting graphic in a spreadshee	Vipul Prakashan, Seth Publisher,	12	Black board , Group discussion and Question & answer method
Sept	II	Concepts, Tables, Fields, Datatypes RDBMS Primary Key, Foreign Key 3 Modern E Business Software	Vipul Prakashan, Seth Publisher, Manan Prakashan	11	Black board , Group discussion and Question & answer method
OCT	III	Introduction : Enterprise Resource Planning – ERP Supply chain Management- SCM Customer Relationship Management- CRM Sales Force Automation- SFA	Vipul Prakashan, Seth Publisher, Manan Prakashan	09	Black board , Group discussion and Question & answer method
Nov	IV	Online trading software Net-banking Online banking software	Vipul Prakashan, Seth Publisher, Manan Prakashan	08	Black board , Group discussion and Question & answer method

Name : Shruti Gokhale

Year : 2020-21

Class : SYBMS (Sem III)

Sub. : Information and technology in business Management

Month	Module/ Unit	Topic	Ref.	No. of lectures	Teaching method
August	I	Data, Information and Knowledge Concept of Database • Introduction to Information Systems and its major components. Types and Levels of Information systems. Main types of IT Support systems Computer based Information Systems (CBIS) Types of CBIS - brief descriptions and their interrelationships/hierarchies Office Automation System(OAS) Transaction Processing System(TPS) Management Information System(MIS) Decision Support Systems (DSS) Executive Information System(EIS) Knowledge based system, Expert system • Success and Failure of Information Technology. Failures of Nike and AT&T • IT Development Trends. Major areas of IT Applications in Management • Concept of Digital Economy and Digital Organization. • IT Resources Open Source Software - Concept and Applications. Study of Different Operating Systems. (Windows / Linux/ DOS)	Vipul Prakashan Seth Publisher,	12	Black board , Group discussion and Question & answer method
September	II	SmartArt Cross Reference, Bookmark and Hyperlink. Mail Merge Feature. • Spreadsheet application (e.g. MS-Excel/openoffice.org) Creating/Saving and editing spreadsheets Drawing charts. Using Basic Functions: text,	Vipul Prakashan, Seth Publisher, Manan Prakashan	11	Black board , Group discussion and Question & answer method

		<p>math & trig, statistical, date & time, database, financial, logical Using Advanced Functions : Use of VLookup/HLookup Data analysis – sorting data, filtering data (AutoFilter , Advanced Filter), data validation, what-if analysis (using data tables/scenarios), creating sub-totals and grand totals, pivot table/chart, goal seek/solver, • Presentation Software Creating a presentation with minimum 20 slides with a script. Presenting in different views, Inserting Pictures, Videos, Creating animation effects on them Slide Transitions, Timed Presentations</p>			
Sept-Oct	III	<p>• Use of Outlook : Configuring Outlook, Creating and Managing profile in outlook, Sending and Receiving Emails through outlook Emailing the merged documents. Introduction to Bulk Email software • Internet Understanding Internet Technology Concepts of Internet, Intranet, Extranet Networking Basics, Different types of networks. Concepts (Hubs, Bridges, Routers, IP addresses) Study of LAN, MAN, WAN • DNS Basics. Domain Name Registration, Hosting Basics. • Emergence of E-commerce and M-Commerce Concept of E-commerce and M-Commerce Definition of E-commerce and M-Commerce Business models of e-commerce: models based on transaction party (B2B, B2C,B2G, C2B, C2C, E-Gover</p>	Vipul Prakashan, Seth Publisher, Manan Prakashan	09	Black board , Group discussion and Question & answer method
Oct-Nov	IV	<p>pes of threats Virus, hacking, phishing, spyware, spam, physical threats (fire, flood, earthquake, vandalism) Threat</p>	Vipul Prakashan, Seth Publisher,	08	Black board , Group discussion and Question &

	<p>Management • IT Risk Definition, Measuring IT Risk, Risk Mitigation and Management • Information Systems Security • Security on the internet Network and website security risks Website Hacking and Issues therein. Security and Email • E-Business Risk Management Issues Firewall concept and component, Benefits of Firewall • Understanding and defining Enterprise wide security framework • Information Security Environment in India with respect to real Time Application in Business Types of Real Time Systems, Distinction between Real Time, On – line and Batch Processing System. Real Time Applications viz. Railway / Airway / Hotel Reservation System, ATMs, EDI Transactions - definition, advantages, examples;ECash, Security requirements for Safe E-Payments Security measures in International and Cross Border financial transactions</p>	<p>Manan Prakashan</p>		<p>answer method</p>
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Teaching Plan of Faculty

Name : Shruti Gokhale

Year : 2020-2021

Class : SYBBI (Sem III)

Subject: Information Technology in Banking & Insurance I

Month	Module No.	Name of Topic	No. Of lectures	Book for reference	Teaching Method
August	1	Introduction to Electronic Commerce A) E-Commerce Framework, E-Commerce and media convergence, anatomy of E-Commerce Applications, E-Commerce Consumer and Organization Web-	12	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion
		Applications B) The network Infrastructure for Electronic Commerce - Market forces influencing the I-way, Components of I-way, Network Access Equipment C) E-Commerce and World Wide		Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
Sept	2	Architectural framework of ECommerce, WWW and its architecture, hypertext publishing, Technology behind the web, Security and the Web 2 25TE-banking A) 25T Meaning, definition, features, advantages and limitations- core banking, the evolution of e-banking in India, Legal framework for e-banking. B) Electronic Payment System Types of Electronic Payment Systems, Digital Token-based EPS, Smart Card EPS, Credit Card EPS, Risk in EPS, Designing a EPS	16	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion
October	3 -4	MS-Office: Packages for Institutional Automation: A) Ms-Word: Usage of smart art tools, bookmark, cross-	16	Vipul Prakashan, Seth Publisher,	Lecture cum Discussion

				Tech Max	
		reference, hyperlink, mail merge utility and converting word as PDF files. B) Ms-Excel: Manipulating data, Working with charts, Working with PIVOT table and what-if analysis	10	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
NOV	4 -5	Advanced excel functions- Vlookup (),hlookup(),PV(), FV(),average(),goal seek(),AVERAGE(), MIN(), MAX(), COUNT(),COUNTA(),	6	, Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
		ROUND(), INT(), nested functions, name ,cells/ranges/constants,relative, absolute &mixed cell references,	7	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
		Total no. of lectures	60		

LECTURER

CO-ORDINATOR

SESSION PLAN SEM VI (2020-21)

Subject: Security In Computing- TY B.Sc IT – Sem VI

Teacher : Mrs. Amruta Joshi

Week	Unit	Topics	No. Of Lectures	Practicals
5 th Dec 2020 – 12 th Dec 2020	I	Information Security Overview: The Importance of Information Protection, The Evolution of Information Security, Justifying Security Investment, Security Methodology, How to Build a Security Program, The Impossible Job	12	Configure Routers a OSPF MD5 authentication. b NTP. c to log messages to the syslog server. d to support SSH connection
13 th Dec 2020 – 17 th Dec 2020	I	The Weakest Link, Strategy and Tactics, Business Processes vs. Technical Controls. Risk Analysis: Threat Definition, Types of Attacks		
18 th Dec 2020 – 20 th Dec 2020	I	Risk Analysis. Secure Design Principles: The CIA Triad and Other Models, Defence Models		
21 st Dec 2020- 24 th Dec 2020	I	Zones of Trust Best Practices for Network Defence.		
2 nd Jan 2021 – 8 th Jan 2021	II	Authentication and Authorization: Authentication, Authorization Encryption: A Brief History of Encryption, Symmetric-Key Cryptography, Public Key Cryptography, And Public Key Infrastructure.	12	Configure AAA Authentication a Configure a local user account on Router and configure authenticate on the console and vty lines using local AAA b Verify local AAA authentication from the Router console and the PC-A client
9 th Jan 2021 – 18 th Jan 2021	II	Storage Security: Storage Security Evolution, Modern Storage Security, Risk Remediation, Best Practices. Database Security: General Database Security Concepts, Understanding Database Security Layers,		
19 th Jan 2021 – 25 th Jan 2021	II	Understanding Database- Level Security, Using Application Security, Database Backup and Recovery, Keeping Your Servers Up to Date, Database Auditing and Monitoring.		
27 th Jan 2021 –	III	Secure Network Design: Introduction	12	, terrain Data

Week	Unit	Topics	No. Of Lectures	Practicals
31 st Jan 2021 27 th 2021 – 31 st Jan 2021	III	to Secure Network Design, Performance, Availability, Security. Network Device Security: Switch and Router Basics, Network Hardening. Firewalls: Overview, The Evolution of Firewalls, Core Firewall 12 38 Functions, Additional Firewall Capabilities, Firewall Design. Wireless Network Security: Radio Frequency Security Basics, DataLink Layer Wireless Security Features, Flaws, and Threats, Wireless Vulnerabilities and Mitigations, Wireless Network Hardening Practices and Recommendations, Wireless Intrusion Detection and Prevention, Wireless Network Positioning and Secure Gateways		Configuring Extended ACLs Configure IP ACLs to Mitigate Attacks and IPV6 ACLs Configuring a Zone-Based Policy Firewall
1 st Feb 2021 – 8 th Feb 2021 10 th Feb 2021 – 18 th Feb 2021 19 th Feb 2021 – 28 th Feb 2021 1 st March 2021 – 8 th March 2021	IV IV IV IV	Intrusion Detection and Prevention Systems: IDS Concepts, IDS Types and Detection Models, IDS Features, IDS Deployment Considerations, Security Information and Event Management (SIEM). Voice over IP (VoIP) and PBX Security: Background, VoIP Components, VoIP Vulnerabilities and Countermeasures, PBX, TEM: Telecom Expense Management. Operating System Security Models: Operating System Models, Classic Security Models, Reference Monitor, Trustworthy Computing, International Standards for Operating System Security.	12	Layer 2 Security Layer 2 VLAN Security
9 th March 2021 – 20 th March 2021 21 st March 2021 – 31 st March 2021	V V	Virtual Machines and Cloud Computing: Virtual Machines, Cloud Computing. Secure Application Design: Secure Development Lifecycle, Application Security Practices, Web Application Security, Client Application Security, And Remote Administration Security. Physical Security: Classification of Assets, Physical Vulnerability Assessment, Choosing	12	Configure and Verify a Site-to-Site IPsec VPN Using CLI

Week	Unit	Topics	No. Of Lectures	Practicals
		Site Location for Security, Securing Assets: Locks and Entry Controls, Physical Intrusion Detection.		Configuring ASA Basic Settings and Firewall Using CLI

SESSION PLAN

Class:T.Y.B.Sc.I.T

SEM : V 2020-21

SUBJECT : Software Project Management

Ms. Amruta Joshi

Date	Unit	Topic	No Of Lectures	Practicals	Remarks
19 th June To 21 st June	Unit-I	Introduction to Software Project Management: Introduction, Why is Software Project Management Important? What is a Project? Software Projects versus Other Types of Project, Contract Management and Technical Project Management, Activities Covered by Software Project Management, Plans, Methods and Methodologies, Some Ways of Categorizing Software Projects, Project Charter, Stakeholders, Setting Objectives, The Business Case, Project Success and Failure, What is Management? Management Control, Project Management Life Cycle, Traditional versus Modern Project Management Practices.	4	2	
		Project Evaluation and Programme Management:			
23 rd June to 28 th June		Project Planning : Introduction to Step Wise Project Planning, Step 0: Select Project, Step 1: Identify Project Scope and Objectives, Step 2: Identify Project Infrastructure, Step 3: Analyse Project Characteristics, Step 4: Identify Project Products and Activities, Step 5: Estimate Effort for Each Activity, Step 6: Identify Activity Risks, Step 7: Allocate Resources, Step 8: Review/Publicize Plan, Steps 9 and 10: Execute Plan/Lower Levels of Planning	4	2	
30 th June to 5 th July	Unit-II	Selection of an Appropriate Project Approach: Introduction, Build or Buy? Choosing Methodologies and Technologies, Software Processes and Process Models, Choice of Process Models, Structure versus Speed of Delivery, The Waterfall Model, The Spiral Model, Software Prototyping, Other Ways of Categorizing Prototypes, Incremental Delivery, Atern/Dynamic Systems Development Method, Rapid Application Development, Agile Methods	4	2	Tutorial on Unit I

Date	Unit	Topic	No Of Lectures	Practicals	Remarks
7 th July To 12 th July		Software Effort Estimation: Introduction, Where are the Estimates Done? Problems with Over- and Under-Estimates, The Basis for Software Estimating, Software Effort Estimation Techniques, Bottomup Estimating, The Top-down Approach and Parametric Models, Expert Judgement, Estimating by Analogy	4	2	Revision of precious Topics
14 th July To 19 th July		COCOMO II: A Parametric Productivity Model, Cost Estimation, Staffing Pattern, Effect of Schedule Compression, Capers Jones Estimating Rules of Thumb.	4	2	Tutorial on Unit II
21 st July To 26 th July	Unit-III	Activity Planning: Introduction, Objectives of Activity Planning, When to Plan, Project Schedules, Projects and Activities, Sequencing and Scheduling Activities, Network Planning Models, Formulating a Network Model, Adding the Time Dimension, The Forward Pass, Backward Pass, Identifying the Critical Path, Activity Float, Shortening the Project Duration, Identifying Critical Activities, Activity-on-Arrow Networks.	4	2	Class Test
28 th July to 2 nd Aug		Risk Management: Introduction, Risk, Categories of Risk, Risk Management Approaches, A Framework for Dealing with Risk, Risk Identification, Risk Assessment, Risk Planning, Risk Management, Evaluating Risks to the Schedule, Boehm's Top 10 Risks and Counter Measures, Applying the PERT Technique, Monte Carlo Simulation, Critical Chain Concepts	4	2	Discussion of Class Test Question Paper
4 th Aug To 9 th Aug		Resource Allocation: Introduction, Nature of Resources, Identifying Resource Requirements, Scheduling Resources, Creating Critical Paths, Counting the Cost, Being Specific, Publishing the Resource Schedule, Cost Schedules, Scheduling Sequence	4	2	Tutorial on Unit III
11 th Aug to 16 th Aug	Unit-IV	Monitoring and Control: Introduction, Creating the Framework, Collecting the Data, Review, Visualizing Progress, Cost Monitoring, Earned Value Analysis, Prioritizing Monitoring, Getting the Project Back to Target, Change Control, Software Configuration Management (SCM).	4	2	Revision of previous Topics
18 th Aug		Managing Contracts: Introduction, Types of Contract, Stages in Contract Placement,	4	2	

Date	Unit	Topic	No Of Lectures	Practicals	Remarks
to 23 rd Aug		Typical Terms of a Contract, Contract Management, Acceptance.Hellman algorithm			
25 th Aug to 30 th Aug		Managing People in Software Environments: Introduction, Understanding Behaviour, Organizational Behaviour: A Background, Selecting the Right Person for the Job, Instruction in the Best Methods, Motivation, The Oldham–Hackman Job Characteristics Model, Stress, Stress Management, Health and Safety, Some Ethical and Professional Concerns.	4	2	Tutorial on Unit IV
1 st Sept to 6 th Sept	Unit-V	Working in Teams: Introduction, Becoming a Team, Decision Making, Organization	4	2	
8 th Sept to 13 th Sept		Coordination Dependencies, Dispersed and Virtual Teams, Communication Genres, Communication Plans, Leadership.	4	2	
15 th Sept to 20 th Sept		Email security, Security in GSM, 3G security	4	2	Tutorial on Unit V
22 nd Sept to 27 th Sept		Software Quality : Introduction, The Place of Software Quality in Project Planning, Importance of Software Quality, Defining Software Quality, Software Quality Models, ISO 9126, Product and Process Metrics, Product versus Process Quality Management,	4	2	
29 th Sept To 4 th Oct		Quality Management Systems, Process Capability Models, Techniques to Help Enhance Software Quality, Testing, Software Reliability, Quality Plans.	4		
6 th Oct to 15 th Oct		Revision	4		Tutorial on syllabus

Teaching Plan of Faculty

Name : Shruti Gokhale

Year : 2020-2021

Class : SYBBI (Sem IV)

Subject: Information Technology in Banking & Insurance II

Month	Module No.	Name of Topic	No. Of lectures	Book for reference	Teaching Method
Dec	1	1 E-banking Business Models Various models- home banking, office banking, online banking, internet banking, mobile banking, SMS banking,- models of electronic payments	7	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion
		other business models Induction of TechnoManagement Development Life Cycle, Project Management, Building Data Centres, Role of DBMS in Banking, Data Warehousing and Data Mining, RDBMS Tools Technological Changes in Indian Banking Industry,• Trends in Banking and Information Technology, Technology in Banking, Lead Role of Reserve Bank of India, New Horizons for Banking based IT. 3	8	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
Jan	2	, Automated Clearing House Operations, Electronic Wholesale Banking Credit Transfer, Credit Information Bureau (I) LtdTechnology (IDRBT). E-Checks-Protocols and Standards,• Problems on mechanization, e-Banking-RBI Regulations & Supervision, Technology Diffusion	5	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion
Feb.	3 -4	Credit Information Company Regulation Bill- 2004, Banking, Digital Signature in Banking, MICRFacility for 'paper-based' clearing, Cheque Truncation Dealing with Fraudulent	12	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion

		transactions under CTS,• Efficient customer service, smart quill computer pen, Institute for Development & Research in Banking &			
		Automation in Indian Banks, Cheque clearing using MICR technology, Innovations, Products and Services, Core- Banking Solutions(CBS), Human Resource Development(HRD)- The Road Ahead, Technology in Banking Industry,• Teleconferencing, Internet	3	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
Feb- March	4 -5	IT Applications and Banking Objectives, Electronic Commerce and Banking, Banking Software, Electronic Clearing and Settlement Systems, Plastic Money 4 MS- Office: Packages for Institutional Automation MS- PowerPoint presentation: Internal links between slides, hyperlinks,• embedding multimedia content onto the slides (video/audio/stylish text), slide animation, timer, creating new presentation by existing theme, import online themes, creating a template of presentation, save and run the slide show(.ppsx) Applications of Internet: Introduction to e- mail, writing professional emails,•	8	, Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
		creating digitally signed documents, use of outlook express: configuring outlook express, creating and managing profile in outlook, sending and receiving e-mails via outlook express, Emailing the merged documents, boomerang facility of email, Google drive: usage of Google drive in storing the Google documents, excel sheets, presentations and PDF	7	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
		Total no. of lectures	60		

LECTURER

CO-ORDINATOR

Teaching Plan of Faculty

Name : Shruti Gokhale

Year : 2020-2021

Class : SYBAF (Sem IV)

Subject: IT in Accounting & Finance

Month	Module No.	Name of Topic	No. Of lectures	Book for reference	Teaching Method
Dec	1	Business Process Introduction, Definition and Meaning of business process Flow of business process for accounting, purchase, sales and finance Classification of business processes Introduction, Definition and Meaning of Business Process Management Principles and practices of Business Process Management Business Process Management life cycle and	7	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion
		Theories of Business Management Process Implementation of Business process Management – need, key factors and importance Automation of business Processes – benefits, risks, challenges Accounting systems automation IT	8	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
Jan	2	Business Process Management Information systems – Meaning. Accounting Software Introduction and meaning Advantages of accounting	5	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion
			5	Vipul	Lecture cum

				Prakashan	Discussion
		software Uses of Accounting software Various accounting softwares Accounting software TALLY – Accounting and reports	5	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion
Feb.	3 -4	, Use of IT in accounacy 2 Computerized accounting system Introduction and meaning Uses and Benefits Role Need and requirements of computerized accounting Basic requirements of computerized accounting system Limitations of computerized accounting system Understand the development and design of a computerized accounting system; determining how the accounting data will be processed	12	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion
		, i.e. what accounts and books are needed and what is the desired output i.e. financial reports and other reports	3	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
Feb- March	4 -5	3 Concept of MIS Reports in Computer Environment Introduction Concept of MIS Need for MIS Characteristic of MIS Outputs of MIS Role of MIS Guidelines for Developing MIS reports Functional Aspects of the MIS: Problems in MIS Knowledge required for studying MIS MIS and	8	, Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation

		Computer			
		4 IT and Auditing Need and importance of IT in auditing Auditing in IT environment	7	Vipul Prakashan, Seth Publisher, Tech Max	Lecture cum Discussion & Class Presentation
		Total no. of lectures	60		

LECTURER

CO-ORDINATOR

RAMANAND ARYA D A V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020 – 21
SESSION PLAN

NAME OF CLASS: SYBBI

DATE: 13th JUNE 2020

NAME OF SUBJECT: ORGANISATIONAL BEHAVIOUR

Sr. No	Month	Topics	No. Of Lectures
1	June – July	Individual Behaviour: A) Personality B) Learning C) Perception D) Workplace Emotions E) Individual Decision Making	15
2	July – Aug	The Group Dynamics: A) Group Communication B) Power and Politics C) Negotiations D) Transactional Analysis E) Virtual Team F) Group Decision Making	20
3	Aug - Sept	The Organisational Dynamics: A) Organisational Structure B) New Design Options C) Org structure differentiation D) Org Climate	15
4	Sept - Oct	OB in BBI	10
		TOTAL	60

NAME OF FACULTY: Ms. Smruti Ambre

RAMANAND ARYA D A V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020 – 21
SESSION PLAN

NAME OF CLASS: SYBMS – HR (Sem III)

DATE: 13th JUNE 2020

NAME OF SUBJECT: Motivation and Leadership

Sr. No	Month	Topics	No. Of Lectures
1	June – Jul	Concept of motivation, Importance, Tools of Motivation. • Theory Z, Equity theory. • Process Theories-Vroom’s Expectancy Theory, Valency-Four drive model.	10
2	Jul – Aug	East v/s West, motivating workers (in context to Indian workers) • The Indian scene – basic differences. • Work –Life balance – concept, differences, generation and tips on work life balance.	10
3	Aug – Sept	Leadership– Meaning, Traits and Motives of an Effective Leader, Styles of Leadership. • Theories – Trait Theory, Behavioural Theory, Path Goal Theory. • Transactional v/s Transformational leaders. • Strategic leaders– meaning, qualities. • Charismatic Leaders– meaning of charisma, Qualities, characteristics, types of charismatic leaders (socialized, personalized, office-holder, personal, divine)	20
4	Sept – Oct mid	Great leaders, their style, activities and skills (Ratan Tata, Narayan Murthy, Dhirubhai Ambani, Bill Gates, Mark Zuckerberg, Donald Trump) • Characteristics of creative leaders and organization methods to enhance creativity (Andrew Dubrein). • Contemporary issues in leadership–Leadership roles, team leadership, mentoring, self leadership, online leadership, finding and creating effective leader	10
		TOTAL	60

NAME OF FACULTY: Ms. Smruti Ambre

Teaching Plan of Faculty

Name : Shruti Gokhale

Year : 2020-21

Class : SYBMS (Sem IV)

Sub. : Information and technology in Business Management.

Month	Module/ Unit		Ref.	No. of lectures	Teaching method
December	I	<p>To understand managerial decision-making and to develop perceptiveness of major functional areas of MIS</p> <p>2 To provide conceptual study of Enterprise Resource Planning, Supply Chain Management, Customer Relationship Management, Key issues in implementation. This module provides understanding about emerging MIS technologies like ERP, CRM, SCM and trends in enterprise applications.</p> <p>3 To learn and understand relationship between database management and data warehouse approaches, the requirements and applications of data warehouse</p> <p>4 To learn outsourcing concepts. BPO/KPO industries, their structures, Cloud computing</p> <p>Overview of MIS Definition, Characteristics • Subsystems of MIS</p>	Vipul Prakashan, Seth Publisher,	12	Black board, Group discussion and Question & answer method

		(Activity and Functional subsystems) •			
Jan	II	• Structure of MIS • Reasons for failure of MIS. • Understanding Major Functional Systems Marketing & Sales Systems Finance & Accounting Systems Manufacturing & Production Systems Human Resource Systems Inventory Systems • Sub systems, description and organizational levels • Decision support system Definition Relationship with MIS	Vipul Prakashan, Seth Publisher, Manan Prakashan	11	Black board , Group discussion and Question & answer method
Jan-Feb	III	Evolution of DSS, Characteristics, classification, objectives, components, applications of DSS 2 ERP/E-SCM/E-CRM • Concepts of ERP • Architecture of ERP Generic modules of ERP • Applications of ERP • ERP Implementation concepts ERP lifecycle • Concept of XRP (extended ERP) • Features of commercial ERP software Study of SAP, Oracle Apps, MS Dynamics NAV, Peoplesoft •	Vipul Prakashan, Seth Publisher, Manan Prakashan	09	Black board , Group discussion and Question & answer method
Feb-March	IV	Concept of e-CRM E-CRM Solutions and its advantages, How technology helps? • CRM Capabilities and customer Life cycle Privacy Issues and CRM • Data Mining and CRM CRM and workflow Automation •	Vipul Prakashan, Seth Publisher, Manan Prakashan	08	Black board , Group discussion and Question & answer method

		Concept of E-SCM Strategic advantages, benefits E-SCM Components and Chain Architecture • Major Trends in e-SCM • Case studies ERP/SCM/CRM			
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LECTURER

CO-ORDINATOR

Teaching Plan

Department of Accountancy Year: 2020-21

Class: First year B.Com

Div: D

Faculty:

Shikha Bhargava

Course: Accountancy and Financial management

Semester- I

Month SEPTEMBER 2020

Module 1 : Accounting standards issued by ICAI and Inventory valuation

Accounting standards:

Concepts, benefits, procedures for issue of accounting standards

AS – 1: Disclosure of Accounting Policies

AS – 2: Valuation of Inventories (Stock)

AS – 9: Revenue Recognition

Inventory Valuation

Cost for inventory valuation

Inventory systems : Periodic Inventory system and Perpetual Inventory System

Valuation: Meaning and importance

Methods of Stock Valuation as per AS – 2 :

FIFO and Weighted Average Method

Month OCTOBER 2020

Module 2 : Final Accounts

a) Capital Expenditure, (b) Revenue Expenditure

a) Capital Receipts(b) Revenue receipt

Adjustment and Closing entries

Final accounts of manufacturing concerns

(proprietary firm)

Month NOVEMBER 2020

Module 3 : Departmental Accounts

Meaning ,Basis of Allocation of Expenses and Incomes/Receipts

Inter Departmental Transfer : at Cost Price and Invoice Price

Stock Reserve

Departmental Trading and Profit & Loss Account and Balance Sheet

Month DECEMBER 2020/ JANUARY 2021

Module 4 : Accounting for Hire Purchase

Meaning ,Calculation of interest ,Accounting for hire purchase transactions by asset purchase method based on full cash price.

Journal entries, ledger accounts and disclosure in balance sheet for hirer and vendor (excluding default, repossession and calculation of cash price)

Semester-II

Month FEB 2021

Module 1 :Accounting From Incomplete Records

Introduction

Problems on preparation of final accounts of Proprietary Trading Concern (conversion method)

Month MARCH 2021

Module 2 : Consignment Accounts

Accounting for consignment transactions

Valuation of Stock

Invoicing of goods at higher price

(Excluding Overriding commission, Normal/abnormal losses)

Month MARCH 2021.

Module 3 : BRANCH ACCOUNTS

Meaning / Classification of Branch

Accounting for Dependent Branch not maintaining full books by (a) Debtors method

(b) Stock and Debtors method

Month APRIL 2021

Module 4 : Fire Insurance Claims

Computation of Loss of Stock by Fire

Ascertainment of Claim as per the Insurance Policy

Exclude: Loss of Profit and Consequential Loss

Month MAY 2021

Fire Insurance Claims **to be continued**

Revision

Teaching Plan

Department of Accountancy Year: 2020-21

Class: First year B.Com

Div:A,

Faculty:

Dr. Rajiv Khurana

Course: Accountancy and Financial management

Semester- I

Month SEPTEMBER 2020

Module 1 : Accounting standards issued by ICAI and Inventory valuation

Accounting standards:

Concepts, benefits, procedures for issue of accounting standards

AS – 1: Disclosure of Accounting Policies

AS – 2: Valuation of Inventories (Stock)

AS – 9: Revenue Recognition

Inventory Valuation

Cost for inventory valuation

Inventory systems : Periodic Inventory system and Perpetual Inventory System

Valuation: Meaning and importance

Methods of Stock Valuation as per AS – 2 :

FIFO and Weighted Average Method

Month OCTOBER 2020

Module 2 : Final Accounts

a) Capital Expenditure, (b) Revenue Expenditure

a) Capital Receipts(b) Revenue receipt

Adjustment and Closing entries

Final accounts of manufacturing concerns

(proprietary firm)

Month NOVEMBER 2020

Module 3 : Departmental Accounts

Meaning ,Basis of Allocation of Expenses and Incomes/Receipts

Inter Departmental Transfer : at Cost Price and Invoice Price

Stock Reserve

Departmental Trading and Profit & Loss Account and Balance Sheet

Month DECEMBER 2020/ JANUARY 2021

Module 4 : Accounting for Hire Purchase

Meaning ,Calculation of interest ,Accounting for hire purchase transactions by asset purchase method based on full cash price.

Journal entries, ledger accounts and disclosure in balance sheet for hirer and vendor (excluding default, repossession and calculation of cash price)

Semester-II

Month FEB 2021

Module 1 :Accounting From Incomplete Records

Introduction

Problems on preparation of final accounts of Proprietary Trading Concern (conversion method)

Month MARCH 2021

Module 2 : Consignment Accounts

Accounting for consignment transactions

Valuation of Stock

Invoicing of goods at higher price

(Excluding Overriding commission, Normal/abnormal losses)

Month MARCH 2021.

Module 3 : BRANCH ACCOUNTS

Meaning / Classification of Branch

Accounting for Dependent Branch not maintaining full books by (a) Debtors method

(b) Stock and Debtors method

Month APRIL 2021

Module 4 : Fire Insurance Claims

Computation of Loss of Stock by Fire

Ascertainment of Claim as per the Insurance Policy

Exclude: Loss of Profit and Consequential Loss

Month MAY 2021

Fire Insurance Claims **to be continued**

Revision

Teaching plan

Subject: Consumer Behavior

Class: SYBMS SEM III

2020-21

UNIT	SYLLABUS	DURATION
1	<ul style="list-style-type: none"> • Definition , features & importance of consumer behavior 	2 nd week of August
	<ul style="list-style-type: none"> • Profiling & types of consumer behavior 	3 rd week of August
	<ul style="list-style-type: none"> • consumer decision making process 	4 th week of August
	<ul style="list-style-type: none"> • Consumer involvement ,factors influencing consumer behavior 	1 st week of September
2	<ul style="list-style-type: none"> • Motivation theories , learning theories 	1&2 nd week of September
	<ul style="list-style-type: none"> • Self concept , personality concept, features of personality 	3 rd week of September
	<ul style="list-style-type: none"> • Consumer perception 	4 th week of September
	<ul style="list-style-type: none"> • Attitude & concept of attitude 	1 st week of October
3	<ul style="list-style-type: none"> • Family influences on decision making ,role of family ,family life cycle 	2 nd week of October
	<ul style="list-style-type: none"> • Definition ,types of social class & influence 	3 rd week of October
	<ul style="list-style-type: none"> • Group dynamics , role of reference group, 	4 th week of October
	<ul style="list-style-type: none"> • Norms, values custom & consumer behavior 	1 st week of November
4	<ul style="list-style-type: none"> • Consumer decision making models, diffusion of innovation 	2 nd , 3 rd week of November
	<ul style="list-style-type: none"> • E-buying behavior 	4 th week of November
	revision	1 st week December

Teaching plan- 2020-21

Subject: Strategic Management

Class: SYBMS SEM III

Prof. Vaishali Nikam

Unit I	Introduction	
	● Business Policy - Meaning, Nature, Importance	2 nd week of August
	Strategy - Meaning, Definition ● Strategic Management - Meaning, Definition, Importance, Strategic Management	3 rd week of August
	● Business Level Strategy (Cost Leadership, Differentiation, Focus)	4 th week of August
	● Strategic Intent - Mission, Vision, Goals, Objective, Plans	1 st week of September
Unit II	Strategy Formulation	
	● Environment Analysis and Scanning (SWOT)	2 nd week of September
	● Corporate Level Strategy (Stability, Growth, Retrenchment, Integration and Internationalization)	3 rd week of September
	● Business Level Strategy (Cost Leadership, Differentiation, Focus)	4 th week of September
	● Functional Level Strategy (R&D, HR, Finance, Marketing, Production)	4 th week of September
Unit III	Strategic Implementation	
	● Models of Strategy making	1 st week of October
	● Strategic Analysis & Choices & Implementation : BCG Matrix, GE 9 Cell, Porter 5 Forces, 7S Frame Work	2 nd week of October
	● Implementation: Meaning, Steps and implementation at Project, Process, Structural, Behavioral, Functional level	3 rd 4 th week of October
Unit IV	Strategic Evaluation & Control	
	● Strategic Evaluation meaning and objectives,	1 st week of November
	Steps of Evaluation & Techniques of Control	3 rd week of November
	Synergy : Concept, Types, evaluation of Synergy. Synergy as a Component of Strategy & its Relevance.	4 th week of November
	Revision	1 st week of December

Teaching plan

Subject: Strategic Management (2020-21)

Unit I	Introduction	
	Strategic Management an Overview Definitions, Strategic Decision Making	2 nd week of August
	Levels of Strategic Management, Process of Strategic Management	3 rd week of August
	Process of Strategic Management, Principles of Good Strategy	4 th week of August
	Elements of Strategic Management, Models of Strategic Management	1 st week of September
Unit II	Strategic Management Environment: Importance of Politics in Strategic Management, Social, Political, and Technological forces,	2 nd week of September
	Components of Environment, Environmental Scanning, Analysis of Strategies and Choice of Strategy. Ethics, Social Responsibility	3 rd week of September
	Impact of Legal Factors in Strategic Management, SWOT Analysis	4 th week of September
Unit III	Corporate Level Strategies- Concentration, Integration and Diversification, Internationalization	4 th week of September
	Process of Strategic Choice, Factors of Strategic Choice, Strategic Analysis.	1 st week of October
Unit IV	Activating Strategy and Implementation Process	2 nd week of October
	Model of Strategy Implementation- Structural, Behavioral and Functional	3 rd week of October
	Nature of Strategy implementation, Barriers.	4 th week of October
Unit V	Benchmarking, Gap Analysis. Features and Importance of Evaluation	2 nd week of November
	Barriers in Evaluation, Types. Strategic Control	3 rd week of November
	Control Process, Systems, Approaches, Techniques of Evaluation and Control	4 th week of November
	Role of Information System and revision .	1 st week of December

Teaching plan 2020-21

Subject: E-COMMERCE and Digital Marketing

Class: TYBMS SEM V

Prof. Vaishali Nikam

Teaching plan 2020-21

UNIT	SYLLABUS	DURATION
1	Introduction to E-commerce , Ecommerce- Meaning, Features of E-commerce, Categories of E-commerce, Advantages & Limitations of E-Commerce	2 nd week of August
	Traditional Commerce & E-Commerce ,Ecommerce Environmental Factors, Factors Responsible for Growth of E-Commerce	3 rd week of August
	Impact of E-Commerce on Business, Ecommerce in India ,Trends in E-Commerce in Various Sectors: Retail, Banking, Tourism, Government, Education	4 th week of August
	Meaning of M-Commerce, Benefits of M-Commerce, Trends in M-Commerce.	1 st week of September
2	<ul style="list-style-type: none"> • E-Business & Applications • E-Business: Meaning, Launching an E-Business, Different phases of Launching an EBusiness 	1&2 nd week of September
	<ul style="list-style-type: none"> • • Important Concepts in E-Business, business models in E-Business 	3 rd week of September
	<ul style="list-style-type: none"> • Superiority of Bricks and Clicks E-Business Applications: E-Procurement, E-Communication 	4 th week of September
	<ul style="list-style-type: none"> • Applications of EDI, Advantages of Website, Principles of Web Design, Life Cycle Approach 	1 st week of October
3	<ul style="list-style-type: none"> • • Electronic Payment Systems: Features, Different Payment Systems 	2 nd week of October
	<ul style="list-style-type: none"> • • Payment Gateway: Introduction, Payment Gateway Process 	3 rd week of October
	<ul style="list-style-type: none"> • • E-Commerce Laws: Need for E-Commerce laws, E-Commerce laws in India, Legal Issues in E-commerce in India, 	4 th week of October
	Types of Transaction Security	1 st week of November
4	<ul style="list-style-type: none"> • Digital Marketing • Introduction to Digital Marketing, Advantages and Limitations of Digital Marketing, Display Advertising, Blog Marketing, Viral Marketing 	2 nd , 3 rd week of November
	<ul style="list-style-type: none"> • Content Marketing & Content Influencer Marketing, Online PR • Web Analytics • Promoting Web Traffic 	4 th week of November
	revision	1 st week December

Subject: Services Marketing

Prof. Vaishali Nikam

Class: TYBMS SEM V

UNIT	SYLLABUS	DURATION
1	<ul style="list-style-type: none">• Introduction, characteristics of service marketing	2 nd week of August
	<ul style="list-style-type: none">• Service Marketing triangle, distinguish between product and service	3 rd week of August
	<ul style="list-style-type: none">• Purchase process, role of service in modern economy	4 th week of August
	<ul style="list-style-type: none">• Goods v/s services , positioning the service in the market place, customer involvement	1 st week of September
	<ul style="list-style-type: none">• customer involvement	2 nd week of September
2	<ul style="list-style-type: none">• 7 p's of service in detail	3 rd week of September
	<ul style="list-style-type: none">• Branding of services	4 th week of September
	<ul style="list-style-type: none">• Options for service delivery	1 st week of October
	<ul style="list-style-type: none">• Service process	2 nd week of October
3	<ul style="list-style-type: none">• Service quality- GAP model, benchmarking measuring service quality zone of tolerance	3 rd week of October
	<ul style="list-style-type: none">• Proving service quality, the SERVQUAL model	4 th week of October
	<ul style="list-style-type: none">• Improving productivity, demand & capacity alignment	1 st week of November
4	<ul style="list-style-type: none">• International & global strategies in services	3 rd week of November
	<ul style="list-style-type: none">• Recent trends in services	4 th week of November
	<ul style="list-style-type: none">• Ethics in services marketing	4 th week of November
	<ul style="list-style-type: none">• Syllabus revision	1 st week of December

Teaching plan- 2020-21

Subject: SALES AND DISTRIBUTION MANAGEMENT

	SYLLABUS	DURATION
1	<ul style="list-style-type: none"> • Meaning, role of sales department ,evolution of sales department 	2 nd week of August
	<ul style="list-style-type: none"> • Sales management functions 	3 rd week of August
	<ul style="list-style-type: none"> • Structure of sales organization ,meaning ,importance role of distribution 	4 th week of August
	<ul style="list-style-type: none"> • qualities of sales manager ,Integration of marketing & sales & distribution 	1 st week of September
	<ul style="list-style-type: none"> • Integration of marketing & sales & distribution 	2 nd week of September
2	<ul style="list-style-type: none"> • market analysis, meaning , types of sales forecasting, types of sales quota, fixation of quota 	3 rd week of September
	<ul style="list-style-type: none"> • definition & meaning of sales territory, assigning territory ,factors for selection of territory 	4 th week of September
	<ul style="list-style-type: none"> • definition of selling , process of selling ,theories of selling, selling & closing strategies 	1 st week of October
	<ul style="list-style-type: none"> • difference between consumer selling & organizational selling, national selling v/s international selling 	2 nd week of October
3	<ul style="list-style-type: none"> • Management of distribution channel ,channel partners. 	3 rd week of October
	<ul style="list-style-type: none"> • Choice of distribution system ,factors affecting distribution strategy. 	4 th week of October
	<ul style="list-style-type: none"> • Factors affecting effective management of distribution channels. 	1 st week of November
4	<ul style="list-style-type: none"> • Methods of supervision and control of sales force, sales performance evaluation ,KRA, review & audit 	3 rd week of November
	<ul style="list-style-type: none"> • Measuring distribution channel performance, control of channel 	4 th week of November
	<ul style="list-style-type: none"> • Ethics in sales management 	1 st week of December
	<ul style="list-style-type: none"> • New trends in sales & distribution management 	2 nd week of December

RAMANAND ARYA D.A.V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020 – 21

NAME OF CLASS: **FYBMS Sem II**

NAME OF SUBJECT: **PRINCIPLES OF MANAGEMENT**

SR.NO	MONTH	TOPICS	NO. OF LECTURES
UNIT 1	January	<p><u>Nature of management</u></p> <ul style="list-style-type: none"> • Management: Concept, Significance, Role & Skills, Levels of Management, Concepts of PODSCORB, Managerial Grid. • Evolution of Management thoughts, Contribution of F.W Taylor, Henri Fayol and Contingency Approach. 	12
UNIT 2	February	<p><u>Planning and decision making</u></p> <ul style="list-style-type: none"> • Planning: Meaning, Importance, Elements, Process, Limitations and MBO. • Decision Making: Meaning, Importance, Process, Techniques of Decision Making. 	12
UNIT 3	February - March	<p><u>Organizing</u></p> <ul style="list-style-type: none"> • Organizing: Concepts, Structure (Formal & Informal, Line & Staff and Matrix), Meaning, Advantages and Limitations • Departmentation: Meaning, Basis and Significance • Span of Control: Meaning, Graicunas Theory, Factors affecting span of Control Centralization vs. Decentralization • Delegation: Authority & Responsibility relationship 	12
UNIT 4	March - April	<p><u>Directing, leadership, coordination and controlling.</u></p> <ul style="list-style-type: none"> • Directing: Meaning and Process • Leadership: Meaning, Styles and Qualities of Good Leader • Coordination as an Essence of Management • Controlling: Meaning, Process and Techniques • Recent Trends: Green Management & CSR 	12

NAME OF CLASS: **SYBMS Sem IV (HR)**

NAME OF SUBJECT: **Training and Development in HRM**

SR.NO	MONTH	TOPICS	NO. OF LECTURES
UNIT 1	January	<u>Overview Of Training</u> <ul style="list-style-type: none">• Overview of training– concept, scope, importance, objectives, features, need and assessment of training.• Process of Training–Steps in Training, identification of Job Competencies, criteria for identifying Training Needs (Person Analysis, Task Analysis, and Organisation Analysis), Types–On the Job &Off the Job Method.• Assessment of Training Needs, Methods & Process of Needs Assessment.• Criteria & designing-Implementing– an effective training program.	15
UNIT 2	February	<u>Overview of Development</u> <ul style="list-style-type: none">• Overview of development– concept, scope, importance & need and features, Human Performance Improvement• Counseling techniques with reference to development employees, society and organization.• Career development– Career development cycle, model for planned self development, succession planning.	15
UNIT 3	March	<u>Concept of Management Development</u> <ul style="list-style-type: none">• Concept of Management Development.• Process of MDP.• Programs & methods, importance, evaluating a MDP.	15
UNIT 4	April	<u>Performance measurement, talent management and knowledge management</u>	15

		<ul style="list-style-type: none">• Performance measurements– Appraisals, pitfalls & ethics of appraisal.• Talent management –Introduction ,Measuring Talent Management, Integration & future of TM, Global TM & knowledge management— OVERVIEW -Introduction: History, Concepts,• Knowledge Management: Definitions and the Antecedents of KM Information Management to Knowledge Management , Knowledge Management: What Is and What Is Not?, Three stages of KM, KM Life Cycle	
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SUBJECT ACCOUNTANCY AND FINANCIAL MANAGEMENT [AFM]
CLASS FY BCOM
DIV C [2 LECTURES]
TEACHER UDAY SHETTY
TEACHING PLAN [2020-21]

SR NO	TOPICS	MONTH
1	DEPARTMENTAL FINAL ACCOUNTS	SEPT AND OCT
2	HIRE PURCHASE SYSTEMS	NOV AND DEC

Teaching Plan

Year: 2018-19

Modified on 30-11-2019

Class: First year B.Com

Div:A,B,C,D,E

Faculty:

Mr.Padmakar Mane

Ms.Grace Verghese

Mr.R.Kathiresan

Course: Mathematical & Statistical Techniques

Semester- I

Month	Topics to be covered	No. of Lectures allotted
September	Shares,	08
	Measures of Central Tendencies, Measures of Dispersion.	12
October	Mutual Funds,	08
	Measures of Dispersion, Elementary Probability Theory.	12
November	Permutation and Combination,	07
	Elementary Probability Theory, Decision Theory.	09
December	Linear Programming Problem,	08
	Decision Theory.	12

Semester-II

Month	Topics to be covered	No. of Lecture Alloted
January	Concept of Real function,	04
	Correlation Analysis.	06
February	Derivative of Function,	08
	Regression Analysis,	09
	Time Series.	03
March	Derivative of Function,	03
	Interest,	05
	Time Series, Index Number.	12

April

**Annuity,
Elementary Probability Distribution.**

08

12

**Annuity,
Elementary Probability Distribution.**

04

04

SUBJECT ACCOUNTANCY AND FINANCIAL MANAGEMENT [AFM]
CLASS SY BCOM
DIV B
TEACHER UDAY SHETTY
SEMESTER III
TEACHING PLAN [2020-21

SR NO	MODULES	MONTH
1	PARTNERSHIP FINAL ACCOUNTS BASED ON ADMISSION RETIREMENT AND DEATH	AUG AND SEPT
2	PIECEMEAL DISTRIBUTION	SEPT AND OCT
3	AMALGAMATION OF FIRMS	OCT AND NOV
4	CONVERSION OF FIRMS INTO LTD CO	NOV AND DEC

PROGRAMME TYBCOM SEM V
DIV A, B, C, D
SUBJECT DIRECT AND INDIRECT TAX [SEM V]
NAME OF THE FACULTY UDAY SHETTY
TEACHING PLAN [2020-21]

SR NO	TOPICS	MONTH
1	INTRODUCTION AND BASIC TERMS	AUGUST
2	SCOPE OF TOTAL INCOME & RESIDENTIAL STATUS	AUGUST
3	HEADS OF INCOME	SEPTEMBER
4	DEDUCTION FROM TOTAL INCOME	OCTOBER
5	COMPUTATION OF TOTAL INCOME	NOV AND

ER

DEC

Lesson Plan for the Academic Year: 2020-21

Class: S.Y.B.Com.

Faculty Name:	Virendra Kumar B. Prajapati
Divisions:	A,B, C and D
Semester:	Semester- III
Subject:	Introduction to Management Accounting

Month - August 2020

2nd Week	Introduction to Management Accounting: Analysis and Interpretation of Financial Statements
3rd Week	Tools of Analysis of Financial Statements:(i) Trend (ii) Comparative (iii) Common size Statement.
4th Week	Problems Based on Vertical Income Statement and Vertical Balance Sheet

Month - Sept 2020

1st Week	Problems based on Common Size Statement
2nd Week	Problems based on Comparative Statement
3rd Week	Problems based on Trend Analysis
4th Week	MCQ type Question and Answer

Month - October: 2020

1st Week	Ratios Analysis and Interpretation
2nd Week	Revenue Statement Ratios
3rd Week	Balance Sheet Ratios
4th Week	Combined Ratio

Month - November: 2020

1st Week	Working Capital Management
2nd Week	Nature of Working Capital
3rd Week	Types of Working Capital and Working Capital Cycle
4th Week	Practical Problems based on Working Capital

Month - December 2020

1st Week	Capital Budgeting
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2nd Week	Payback period, Accounting Rate of Return, Net Present Value and Profitability Index method. Problems based on the above.
3rd Week	
4th Week	

Faculty Name:	Virendra Kumar Prajapati
Divisions:	A, B, C and D
Semester:	Semester- IV
Subject:	Auditing

Month - January: 2021

1st Week	
2nd Week	
3rd Week	Introduction to Auditing
4th Week	Types of Audit

Month - February: 2021

1st Week	Audit Planning, Procedure and Documentation
2nd Week	Audit Programme, Audit Working Papers
3rd Week	Audit Note Book
4th Week	Auditing Techniques

Month - March 2021

1st Week	Routine Checking
2nd Week	Test Checking
3rd Week	Internal Control and Internal Check
4th Week	Internal Control for Various Transactions:

Month - April: 2021

1st Week	Auditing Techniques: Vouching
2nd Week	Auditing Techniques: Verification.
3rd Week	Revision
4th Week	Revision and MCQ type Questions and Answers.

Teaching Plan

Department of Accountancy Year: 2020-21

Class: Second year B.Com

Div:A,

Faculty:

Dr. Rajiv Khurana

Course : Accountancy and Financial Management

Semester III

Month of AUGUST /SEPTEMBER 2020

Module 2 : Piecemeal Distribution of Cash

Excess Capital Method only

- (ii) Asset taken over by a partner
 - (iii) Treatment of past profits or past losses in the Balancesheet
 - (iv) Contingent liabilities / Realisation expenses / amount kept aside for expenses and adjustment of actual
 - (v) Treatment of secured liabilities
 - (vi) Treatment of preferential liabilities like Govt. dues / labour dues etc.
- Excluding Insolvency of partner and Maximum Loss Method

Month of OCTOBER /NOVEMBER /DECEMBER 2020

Module 3 : Amalgamation of Firms

- (i) Realisation method only
- (ii) Calculation of purchase consideration
- (iii) Journal/ledger accounts of old firms
- (iv) Preparing Balance sheet of New firm
- (v) Adjustment of goodwill in the new firm
- (vi) Realignment of capitals in the new firm by current accounts / cash or a combination thereof Excluding Common transactions between the amalgamating firms.

Semester IV

Month of January 2021

Module1 : Introduction to Company Accounts

Introduction of Basic Terms

Issue of Shares

Issue of Debentures

Month of February /MARCH 2021

Module 2 : Redemption of Preference Shares

Provision of the Companies Act for redemption of Preference Shares under Companies Act 2013

The proceed of a fresh issue of shares, the capitalisation of undistributed profits and a combination of both, calculation of minimum fresh issue to provide the fund for redemption

Month of March /APRIL 2021

Module 4 : Ascertainment and Treatment of Profit Prior to Incorporation

(i) Principles for ascertainment

Preparation of separate combined, columnar Profit and Loss A/c including different basis of allocation of expenses and income

Teaching Plan
Year: 2020-21

Class: THIRD YEAR B.Com

Div:A, B & C

Faculty:

Dr. Rajiv Ramnath Khurana

Course: COST ACCOUNTING

Semester- I

Month AUGUST 2020

Module 1 : Introduction to Cost Accounting

Objectives and scope of Cost Accounting

- (b) Cost centres and Cost units
- (c) Cost classification for stock valuation, Profit measurement, Decision making and control
- (d) Coding systems
- (e) Elements of Cost
- (f) Cost behaviour pattern, Separating the components of semi- variable cost Problem Solving

Month SEPTEMBER 2020

Module 2 : Material Cost

- (i) Procurement procedures—Store procedures and documentation in respect of receipts and issue of stock, Stock verification
 - (ii) Inventory control —Techniques of fixing of minimum, maximum and reorder levels, Problem Solving
- Economic Order Quantity,
ABC classification;
Stocktaking and perpetual inventory

(iii) Inventory accounting Note- Simple practical problems based on Calculation of EOQ, Raw Material Turnover ratio, Preparation of stock ledger and Valuation of Inventories, based on FIFO and Weighted average cos

Month OCTOBER 2020

Module 3 : LABOUR COST

- (i) Attendance and payroll procedures, Overview of statutory requirements, Overtime, Idle time and Incentives
- (ii) (ii) Labour turnover
- (iii) (iii) Utilisation of labour, Direct and indirect labour, Charging of labour cost, Identifying labour hours with work orders or batches or capital jobs
- (iv) (iv) Efficiency rating procedures
- (v) (v) Remuneration systems and incentive schemes. Note-Simple practical problems based on Preparation of labour cost statement Remuneration and incentive systems based on Piece work plan, Haley Premium Plan, Rowan system, Gantt's Task Bonus Plan

Month NOVEMBER 2020

Module 4 : OVERHEADS

Overhead Functional analysis — Factory, Administration, Selling and Distribution Behavioural analysis — Fixed, Variable, Semivariable cost Note-Simple practical problems on Departmentalization and apportionment of primary overheads, Computation of overhead rates including Machine overhead rates Basic concepts of treatment of over/under absorption of overheads- Direct Labour method and Prime Cost method Problem Solving

Month DECEMBER 2020

Module 5 : COST SHEET AND COST RECONCILIATION

Classification of Costs and Cost Sheet Classification of costs, Cost of Sales, Cost Centre, Cost Unit, Profit Centre and Investment Centre. Cost Sheet, Total Costs and Unit Costs, Different Costs for different purpose

Simple practical problems on preparation of cost sheet VI Reconciliation of cost and financial accounts

Practical problems based on Reconciliation of cost and Financial accounts

Month DECEMBER 2020

Module 6 : COST AND FINANCIAL RECONCILIATION

Practical problems based on Reconciliation of cost and Financial accounts

Semester-V1

Month JANUARY 2021

Module 1 :COST CONTROL ACCOUNTS

Advantages and Disadvantages Cost Control Accounts,
Principal Accounts, Subsidiary Accounts to be maintained
Simple practical problems on preparation of cost control accounts

Month FEBRUARY 2021

Module 2 : CONTRACT COSTING

Contract Costing Contract Costing Progress payments, Retention money, Contract accounts,
Accounting for material, Accounting for Tax deducted at source by the contractee,
Accounting for plant used in a contract, treatment of profit on incomplete contracts, Contract
profit and Balance sheet entries.
Simple practical problems

Month MARCH 2021

Module 3 : PROCESS COSTING

Process Costing Process loss, Abnormal Gains and Losses, Joint products and by-products.

Month APRIL 2021

Module 4 : MARGINAL COSTING

Marginal Costing Marginal costing meaning, applications, advantages, limitations

Contribution,

Breakeven analysis,

Margin of safety and profit volume graph.

Simple Practical problems based on Marginal Costing

Month APRIL 2021

Module 5 : STANDARD COSTING

Introduction to Standard Costing Various types of standards, Setting of standards, Basic concepts of Material and Labour variance analysis. Note-Simple Practical problems based on Material and labour variances .

Month MAY 2021

Module 6 : Some Emerging concepts of Cost accounting

Some Emerging concepts of Cost accounting

Target Costing

Life cycle Costing

Benchmarking

ABC Costing Note

RAMANAND ARYA D.A.V. COLLEGE
SELF – FINANCING COURSES
TEACHING PLAN 2020-21

Name of the faculty: **Swati K Sheyte**

Name of the Course and semester: **TYBBI Sem VI**

Subject: **Turnaround Management**

Month	Portion to be completed	No. of lectures
January	Introduction to Business Meaning, Definition, Features, Importance, Symptoms, Types of Business Organization.	6
February	Different approaches for Growth and Survival. • Internal Strategies • External Strategies • Survival Strategies Industrial Sickness Meaning and Internal /External Reasons of Industrial Sickness	8
March	• Symptoms of Industrial Sickness • Measures to Overcome Sickness by Government and Stakeholders • Role of BIFR in Sick Industries	8
April	Leadership and Turnaround Management Outfitting the Management Team, Personal Characteristic, Focusing on Present Operations, Focus on Needs in Turnarounds	8
	Total	30

Name of the teacher: Swati K Shetye

Signature:

Co-ordinator

Principal

RAMANAND ARYA D A V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020 – 21
SESSION PLAN

NAME OF CLASS: TYBMS - HR

DATE: 13th JUNE 2020

NAME OF SUBJECT: Strategic HRM

Sr. No	Month	Topics	No. Of Lectures
1	June – July	SHRM – An Overview: Strategic Human Resource Management (SHRM) – Meaning, Features, Evolution, Objectives, Advantages, Barriers to SHRM, SHRM v/s Traditional HRM, Steps in SHRM, Roles in SHRM - Top Management, Front-line Management, HR, Changing Role of HR Professionals, Models of SHRM – High Performance Working Model, High Commitment Management Model, High Involvement Management Model • HR Environment – Environmental trends and HR Challenges • Linking SHRM and Business Performance	10
2	July – Aug	HR Strategies: Developing HR Strategies to Support Organisational Strategies, Resourcing Strategy – Meaning and Objectives, Strategic HR Planning – Meaning, Advantages, Interaction between Strategic Planning and HRP, Managing HR Surplus and Shortages, Strategic Recruitment and Selection – Meaning and Need, Strategic Human Resource Development – Meaning, Advantages and Process, Strategic Compensation as a Competitive Advantage, Rewards Strategies – Meaning, Importance, Employee Relations Strategy, Retention Strategies, Strategies for Enhancing Employee Work Performance	10
3	Aug – Sept	Human Resource Policies – Meaning, Features, Purpose of HR Policies, Process of Developing HR Policies, Factors affecting HR Policies, Areas of HR Policies in Organisation, Requisites of a Sound HR Policies – Recruitment, Selection, Training and Development, Performance Appraisal, Compensation, Promotion, Outsourcing, Retrenchment, Barriers to Effective Implementation of HR Policies and Ways to Overcome These Barriers, Need for Reviewing and Updating HR Policies, Importance of Strategic HR Policies to Maintain Workplace	15
4	Sept - Oct	Recent Trends in HRM: i.e. Mentoring • Employee Engagement – Meaning, Factors Influencing Employee Engagement, Strategies for Enhancing Employee Engagement •	25

		Contemporary Approaches to HR Evaluation – Balance Score Card, HR Score Card, Benchmarking and Business Excellence Model • Competency based HRM – Meaning, Types of Competencies, Benefits of Competencies for Effective Execution of HRM Functions. • Human Capital Management –Meaning and Role • New Approaches to Recruitment – Employer Branding, Special Event Recruiting, Contest Recruitment, e - Recruitment • Strategic International Human Resource Management – Meaning and Features, International SHRM Strategic Issues, Approaches to Strategic International HRM	
		TOTAL	60

NAME OF FACULTY: Ms. Smruti Ambre

RAMANAND ARYA D A V COLLEGE
SELF FINANCING COURSES
ACADEMIC YEAR 2020 – 21
LESSON PLAN

NAME OF CLASS: TYBMS - HR

DATE: 13th JUNE 2020

NAME OF SUBJECT: Stress Management

Sr. No	Month	Topics	No. Of Lectures
1	June – July	Understanding Stress: Stress – concept, features, types of stress Relation between Stressors and Stress• Potential Sources of Stress – Environmental, Organizational and Individual• Consequences of Stress – Physiological, Psychological and Behavioural Symptoms• Stress at work place – Meaning, Reasons• Impact of Stress on Performance• Work Stress Model• Burnout – Concept• Stress v/s Burnout•	10
2	July – Aug	Managing Stress – I: Pre-requisites of Stress-free Life• Anxiety - Meaning, Mechanisms to cope up with anxiety• Relaxation - Concept and Techniques• Time Management - Meaning, Importance of Time Management• Approaches to Time Management• Stress Management - Concept, Benefits• Managing Stress at Individual level• Role of Organization in Managing Stress/ Stress Management Techniques• Approaches to Manage Stress - Action oriented, Emotion oriented, Acceptance oriented•	10
3	Aug – Sept	Managing Stress – II: Models of Stress Management - Transactional Model, Health Realization/ Innate Health• Model General Adaption Syndrome (GAS) - Concept, Stages• Measurement of Stress Reaction - The Physiological Response, The Cognitive Response,• The Behavioural Response. Stress prevention mechanism - Stress management through mind control and purification• theory and practice of yoga education. Stress management interventions: primary, secondary, tertiary.• Meditation – Meaning, Importance• Role of Pranayama, Mantras, Nutrition, Music, Non-violence in stress control•	15
4	Sept - Oct	Stress Management Leading to Success: Eustress – Concept, Factors affecting Eustress Stress Management Therapy - Concept, Benefits• Stress Counselling - Concept• Value education for stress management• Stress and New Technology• Stress Audit Process• Assessment of Stress - Tools and	25

		Methods• Future of Stress Management•	
		TOTAL	60

NAME OF FACULTY: Ms. Smruti Ambre

SESSION PLAN (2020)

SUB : INTERNET OF THINGS (TY BSc IT sem v)

Mrs. Swati Kemkar

Date	Unit	Topic	No Of Lectures	Remarks
August 2020 Week 1	Unit-I	The Internet of Things: An Overview : The Flavour of the Internet of Things, The “Internet” of “Things”, The Technology of the Internet of Things, Enchanted Objects, Who is Making the Internet of Things?	4	
Week 2		Design Principles for Connected Devices: Calm and Ambient Technology, Magic as Metaphor, Privacy, Keeping Secrets,	4	
Week 3		Whose Data Is It Anyway? Web Thinking for Connected Devices, Small Pieces, Loosely Joined, First-Class Citizens On The Internet, Graceful Degradation, Affordances.	4	
Week 4	Unit-I	Internet Principles: Internet Communications: An Overview, IP, TCP, The IP Protocol Suite (TCP/IP), UDP, IP Addresses, DNS, Static IP Address Assignment,	4	Tutorial on Unit I
September 2020 Week 1		Dynamic IP Address Assignment, IPv6, MAC Addresses, TCP and UDP Ports,	4	Revision of precious Topics
Week 2		An Example: HTTP Ports, Other Common Ports, Application Layer Protocols, HTTP, HTTPS: Encrypted HTTP, Other Application Layer Protocols	4	Tutorial on Unit II
Week 3	Unit-II	Thinking About Prototyping: Sketching, Familiarity, Costs versus Ease of Prototyping, Prototypes and Production, Changing Embedded Platform, Physical Prototypes and Mass Personalisation, Climbing into the Cloud, Open Source versus Closed Source, Practical	4	Class Test
Week 4		Why Closed? Why Open? Mixing Open and Closed Source, Closed Source for Mass Market Projects, Tapping into the Community	4	Discussion of Class Test Question Paper
Oct 2020 Week 1		Prototyping Embedded Devices: Electronics, Sensors, Actuators, Scaling Up the Electronics, Embedded Computing Basics, Microcontrollers, System-on-Chips, Choosing Your Platform, Arduino, Developing on the Arduino, Some Notes on the Hardware, Openness, Raspberry Pi, Cases and Extension Boards, Developing on the Raspberry Pi, Some Notes on the Hardware, Openness, practical	4	Tutorial on Unit III
Week 2				

Date	Unit	Topic	No Of Lectures	Remarks
Week 3	Unit-III	Prototyping the Physical Design: Preparation, Sketch, Iterate, and Explore, Nondigital Methods, Laser Cutting, Choosing a Laser Cutter, Software, Hinges and Joints, 3D Printing, Types of 3D Printing, Software, CNC Milling, Repurposing/Recycling.	4	Revision
Week 4		Prototyping Online Components: Getting Started with an API, Mashing Up APIs, Scraping, Legalities, Writing a New API, Clockodillo, Security, Practical	4	
Nov 2020 Week 1		Implementing the API, Using Curl to Test, Going Further, Real-Time Reactions, Polling, Comet, Other Protocols, MQ Telemetry Transport, Extensible Messaging and Presence Protocol, Constrained Application Protocol	4	
Week 2	Unit-IV	Techniques for Writing Embedded Code: Memory Management, Types of Memory, Making the Most of Your RAM, Performance and Battery Life, Libraries, Debugging, Practical		
Week 3		Business Models: A Short History of Business Models, Space and Time, From Craft to Mass Production, The Long Tail of the Internet, Learning from History, The Business Model Canvas, Who Is the Business Model For?		
Week 4		Models, Make Thing, Sell Thing, Subscriptions, Customisation, Be a Key Resource, Provide Infrastructure: Sensor Networks, Take a Percentage, Funding an Internet of Things Startup, Hobby Projects and Open Source, Venture Capital, Government Funding, Crowdfunding, Lean Startups, practical		
Dec 2020 Week 1 Week 2	Unit V	Moving to Manufacture: What Are You Producing? Designing Kits, Designing Printed circuit boards, Software Choices, The Design Process, Manufacturing Printed Circuit Boards, Etching Boards, Milling Boards. Assembly, Testing, Mass-Producing the Case and Other Fixtures, Certification, Costs, Scaling Up Software, Deployment, Correctness and Maintainability, Security, Performance, User Community. Practical		
Week 3		Ethics: Characterizing the Internet of Things, Privacy, Control, Disrupting Control, Crowdsourcing, Environment, Physical Thing, Electronics, Internet Service, Solutions, The Internet of Things as Part of the Solution, Cautious Optimism, The Open Internet of Things Definition., Practical		

Ramanand Arya D.A.V. College

Self Financing Courses

Academic Year 2020-2021

SESSION PLAN

Name of Class: FY Bsc [IT] SEM II

Name of Subject: Web Programming

Date	Unit	Topic	Remarks	No. of Lectures
10th Jan 2021- 21st Jan 2021	I	Internet and the World Wide Web: What is Internet? Introduction to internet and its applications, E-mail, telnet, FTP, e-commerce, video conferencing, e-business. Internet service providers, domain name server, internet address, World Wide Web (WWW): World Wide Web and its evolution, uniform resource locator (URL), browsers – internet explorer, Netscape navigator, opera, Firefox, chrome, Mozilla. search engine, web saver – apache, IIS, proxy server, HTTP protocol	Notes given on every topic Using reference book Practical sessions	12
		HTML5: Introduction, Why HTML5? Formatting text by using tags, using lists and backgrounds, Creating hyperlinks and anchors. Style sheets, CSS formatting text using style sheets, formatting paragraphs using style sheets.	Practical sessions	
22nd Jan 2021- 10th Feb 2021	//	HTML5 Page layout and navigation: Creating navigational aids: planning site organization, creating text based navigation bar, creating graphics based navigation bar,	Notes given on every topic Using reference book Practical sessions	12
		Creating graphical navigation bar, creating image map, redirecting to another URL, creating division based layouts: HTML5 semantic tags, creating divisions, creating HTML5 semantic layout, positioning and formatting divisions	Practical sessions	
	//	HTML5 Tables, Forms and Media: Creating tables: creating simple table, specifying the size of the table, specifying the width of the column, merging table cells, using tables for page layout, formatting tables: applying table borders, applying background and foreground fills, changing cell padding, spacing and alignment, creating user forms: creating basic form	Practical sessions	
	//	Using check boxes and option buttons, creating lists, additional input types in HTML5, Incorporating sound and video: audio and video in HTML5, HTML multimedia basics, embedding video clips, incorporating audio on web page.	Practical sessions	
11h Feb 2021 – 5th March 2021	III	Java Script: Introduction, Client-Side JavaScript, Server-Side JavaScript, JavaScript Objects, JavaScript Security,	Notes given on every topic Using reference book	12
	III	Statements: Break, comment, continue, delete, do...while, export, for, for...in, function, if...else, import, labelled, return, switch, var, while, with	Practical sessions	
	III	Core JavaScript (Properties and Methods of	Practical sessions	

Date	Unit	Topic	Remarks	No. of Lectures
		Each) : Array, Boolean, Date, Function, Math, Number, Object, String, regExp Document and its associated objects: document, Link, Area, Anchor, Image, Applet, Layer		
	III	Events and Event Handlers : General Information about Events, Defining Event Handlers, event, onAbort, onBlur, onChange, onClick, onDbClick, onDragDrop, onError, onFocus, onKeyDown, onKeyPress, onKeyUp, onLoad, onMouseDown, onMouseMove, onMouseOut, onMouseOver, onMouseUp, onMove, onReset, onResize, onSelect, onSubmit, onUnload	Practical sessions	
6th March 2021 – 10th April 2021	IV	PHP: Why PHP and MySQL? Server-side scripting, PHP syntax and variables, comments, types, control structures, branching, looping, termination, functions, passing information with PHP, GET, POST	Practical sessions	12
	IV	Formatting form variables, superglobal arrays, strings and string functions, regular expressions, arrays, number handling, basic PHP errors/problems	Practical sessions	
11th April 2021- 30th April	V	Advanced PHP and MySQL : PHP/MySQL Functions, Integrating web forms and databases, Displaying queries in tables, Building Forms	Practical sessions	12
	V	From queries, String and Regular Expressions, Sessions, Cookies and HTTP, E-Mail	Notes given on every topic Using reference book	

Name of Faculty : Pallavi Wani